

# **ECONOMIC BOTANY**

Devoted to Applied Botany and Plant Utilization

Founded by

Edmund H. Fulling

Publication of The Society for Economic Botany

**VOLUME XXV**

**1971**

Published for The Society

by

**THE NEW YORK BOTANICAL GARDEN**

Printed by

The Allen Press, Inc.

Lawrence, Kansas

## TABLE OF CONTENTS

### NUMBER 1

January–March 1971

Mycotoxins of Fungi from Fescue	J. J. Ellis and S. G. Yates	1
The Place of Vegetables in Meeting the Food Needs in Emerging Nations	K. W. King	6
Utilization of the Culinary and Therapeutic Properties of the Peach	Ava Bush	12
Obituary		21
Erratum		21
Agronomic Evaluation of Prospective New Crop Species <i>G. A. White, B. C. Willingham, W. H. Skrdla, J. H. Massey, J. J. Higgins, W. Calhoun, A. M. Davis, D. D. Dolan, and F. R. Earle</i>		22
Agronomic Evaluation of Prospective New Crop Species II. The American <i>Limnanthes</i> <i>J. J. Higgins, Wheeler Calhoun, B. C. Willingham, D. H. Dinkel, W. L. Raisler, and G. A. White</i>		44
Germination Studies of <i>Lesquerella fendleri</i> and <i>L. gordonii</i> , with Reference to their Cultivation	Ahuva Sharir and Haya Gelmond	55
Notes on Herb Medicine in Guam	Jack E. Fletcher	60
The Ethnobotany of the Coast Salish Indians of Vancouver Island <i>Nancy Chapman Turner and Marcus A. M. Bell</i>		63

#### Book Reviews

The Rise and Fall of T. D. Lysenko—105; The Encyclopedia of Marine Resources—106; Lands beyond the Forest—107; Zauberdrogen. Reisen ins Weltall der Seele—107; Plant Science. An Introduction to World Crops—108; Plant Pathology—108; Principles of Dispersal in Higher Plants—109; The Plichto of Giovanveruta Rosetti—109; Abstract Bibliography of Fruit Breeding and Genetics to 1965. *Prunus*—110; Toxic Constituents of Plant Foodstuffs—111; Soma—Divine Mushroom of Immortality—111; Phenolic Substances in Grapes and Wine, and Their Significance—112; Resources and Man—112; Mauritius and the Spice Trade: the Triumph of Jean Nicolas Céré and His Isle Bourbon Collaborators—113; American Indian Medicine—114; Principles and Methods of Plant Biosystematics—114; A Handbook of Alkaloids and Alkaloid-containing Plants—115; Sorghum Production and Utilization—115; Sorghum—115; Flowering Vines of the World—116; The Plant Hunters—117; The Golden Age of Plant Hunters—118; Fodder Plants in the Sahel Zone of Africa—119.

### NUMBER 2

April–June 1971

Notices	121
Pre-historic Cucurbits from the Valley of Oaxaca <i>Thomas W. Whitaker and Hugh C. Cutler</i>	123
The Origin and Domestication of <i>Sorghum bicolor</i> <i>J. M. J. De Wet and J. R. Harlan</i>	128

Some Senoi Semai Planting Techniques	R. K. Dentan	136
Critical Identification of Mexican Archaeological Cotton Remains <i>Ariocarpus retusus</i> , the "False Peyote" of Huichol Tradition	Peter T. Furst	182
Assumed Gene Centers of Peanuts and Soybeans	E. E. Leppik	188
Germ Plasm Resources of the Genus <i>Zinnia</i> L.	H. N. Metcalf and J. N. Sharma	169
	C. Earle Smith, Jr. and S. G. Stephens	160
Interspecific Hybridization in <i>Cucumis</i> <i>John R. Deakin, G. W. Bohn, and Thomas W. Whitaker</i>		195

#### Book Reviews

An Introduction to the Principles of Plant Physiology—212; Plant Chimeras—212; Molecular Approaches to Plant Physiology—213; Alkaloid-bearing Plants and Their Contained Alkaloids, 1957–1968—213; The Sea-grasses of the World—214; Wild Mushrooms of the Central Midwest—214; *Rhizoctonia solani*: Biology and Pathology—215; Annual Review of Plant Physiology—216; Manual of the Vascular Plants of Texas—217; Notes of a Botanist on the Amazon & Andes—218; The Control of Growth and Differentiation in Plants—219; Elsevier's Dictionary of Horticulture—219; The Biochemistry of Fruits and Their Products—220.

## NUMBER 3

July–September 1971

Anthocephalus chinensis, the Laran Tree of Sabah	J. E. D. Fox	221
Ethnobotany of the Chinantec Indians, Oaxaca, Mexico	Frank J. Lipp	234
Hawaiian Medicinal Plants	Kenneth M. Nagata	245
Bambarra Groundnut	E. V. Doku and S. K. Karikari	255
The Origin and Development of World Forage Crops	P. D. Walton	263
The Babassú Oil Palm of Brazil	Klare S. Markley	267
The Forests of Jordan	K. Atkinson and P. Beaumont	305
Recent French Ethnobotanical Research in Southeast Asia	J. E. Vidal	312
Protein Quality of Some Fresh-Water Algae	Harold E. Schlichting, Jr.	317
<i>Carnegiea gigantea</i> : The Saguaro and its Uses	Jan G. Bruhn	320
Estimates of Commercial Profitability in Hybrid Seed Production of the Small Grains	Sherret S. Chase	330
The Ethnobotany of the Coast Salish Indians of Vancouver Island <i>Nancy Chapman Turner and Marcus A. M. Bell</i>		335

#### Book Reviews

Corn: Culture, Processing, Products—340; Hamard Pharmacopoeia of Eastern Medicine—340; Plant Agriculture—340; Cacti of the Southwest. Texas, New Mexico, Oklahoma, Arkansas, and Louisiana—341; Selected Weeds of the United States—342; Ruderal Vegetation along Some California Roadsides—343; The Vascular Plants of San Luis Obispo County, California—343; Proceedings of the Conference on Tropical and Subtropical Fruits—343; John Banister and his Natural History of Virginia 1678–1692—343.

## NUMBER 4

October-December 1971

Some Botanical and Phytochemical Observations in Netherlands New Guinea "New Zealand New Guinea Expedition 1961"	<i>David Cooper</i> 345
Notice	356
The Role of Ants in Pollination and Pod Production of Bambarra Groundnut	<i>E. V. Doku and S. K. Karikari</i> 357
Carpaine: An Alkaloid of <i>Carica Papaya</i> —Its Chemistry and Pharmacology	<i>Everette M. Burdick</i> 363
Distribution of Alkaloids in Some Western Australian Plants	<i>T. E. H. Aplin and J. R. Cannon</i> 366
Moisture and Seed Carbonization	<i>Robert B. Stewart and William Robertson III</i> 381
Cactus Alkaloids. XI. Isolation of Tyramine, N-Methyltyramine and Hordenine from <i>Obregonia denegrii</i>	<i>J. M. Neal, P. T. Sato, and J. L. McLaughlin</i> 382
Hormone-like Herbicides in Weed Control	<i>R. W. Bovey</i> 385
TAXIR—A Biologically Oriented Information Retrieval System as an Aid to Plant Introduction <i>L. W. Hudson, R. D. Dutton, Mary Massara Reynolds, and W. E. Walden</i>	401
Case Against Trans-Pacific Dispersal of the Coconut by Ocean Currents	<i>John V. Dennis and Charles R. Gunn</i> 407
An Ethnobotanical Study of the Kumaon Region of India	<i>N. C. Shah and M. C. Joshi</i> 414
Ethnomedicine in Tonga	<i>Michael A. Weiner</i> 423
The Prospects of Developing a Grape Industry in India	<i>S. D. Khanduja and V. R. Balasubrahmanyam</i> 451
Welensali ( <i>Croton flavens</i> ): Folk Uses and Properties	<i>Julia F. Morton</i> 457
Notice	464
Notice	470
Index to Volume XXV	471

### *Book Reviews*

Recent Advances in Phytochemistry—465; Insect Pollination of Crops—465; Heilpflanzen der Einwohner Melanesiens. Beiträge zur Ethnobotanik des Südwestlichen Pazifik—466; Manual of the Grasses of the United States—466; Fruit and Vegetable Juice Processing Technology—466; Plants Poisonous to People in Florida and other Warm Areas—467; The Lysenko Affair—467.

## INDEX TO VOLUME XXV

### INDEX TO AUTHORS, WITH TITLES

Aplin, T. E. H. and J. R. Cannon. Distribution of alkaloids in some western Australian plants 366

Atkinson, K. and P. Beaumont. The forests of Jordan 305

Balasubrahmanyam, V. R. See Khanduja and Balasubrahmanyam 451

Beaumont, P. See Atkinson and Beaumont 305

Bell, Marcus A. M. See Turner and Bell 63

Bohn, G. W. See Deakin et al. 195

Bovey, R. W. Hormone-like herbicides in weed control 385

Bruhn, Jan. G. *Carnegiea gigantea*: The Saguaro and its uses 320

Burdick, Everett M. *Carpaine*: an alkaloid of *Carica papaya*—its chemistry and pharmacology 363

Bush, Ava. Utilization of the culinary and therapeutic properties of the peach 12

Calhoun, Wheeler. See Higgins et al. 44

Calhoun, W. See White et al. 22

Cannon, J. R. See Aplin and Cannon 366

Chase, Sherret S. Estimates of commercial profitability in hybrid seed production of the small grains 330

Cooper, David. Some botanical and phytochemical observations in Netherlands New Guinea "New Zealand New Guinea Expedition 1961" 345

Cutler, Hugh C. See Whitaker and Cutler 123

Davis, A. M. See White et al. 22

Deakin, John R., G. W. Bohn, and Thomas W. Whitaker. Interspecific hybridization in *Cucumis* 195

Denniss, John V. and Charles R. Gunn. Case against trans-Pacific dispersal of the coconut by ocean currents 407

Dentan, R. K. Some Senoi Semai planting techniques 136

De Wet, J. M. J. and J. R. Harlan. The origin and domestication of *Sorghum bicolor* 128

Dinkel, D. H. See Higgins et al. 44

Doku, E. V. and S. K. Karikari. Bambarra groundnut 255

Doku, E. V. and S. K. Karikari. The role of ants in pollinations and pod production of bambarra groundnut 357

Dolan, D. D. See White et al. 22

Dutton, R. D. See Hudson et al. 401

Earle, F. R. See White et al. 22

Ellis, J. J. and S. G. Yates. Mycotoxins of fungi from Fescue 1

Fletcher, Jack E. Notes on herb medicine in Guam 60

Fox, J. E. D. *Anthocephalus chinensis*, the Laran tree of Sabah 221

Furst, Peter T. *Ariocarpus retusus*, the "false peyote" of Huichol tradition 182

Gelmond, Haya. See Sharir and Gelmond 55

Gunn, Charles R. See Dennis and Gunn 407

Harlan, J. R. See De Wet and Harlan 128

Higgins, J. J., Wheeler Calhoun, B. C. Willingham, D. H. Dinkel, W. L. Raisler, and G. A. White. Agronomic evaluation of prospective new crop species II. The American Limmanthes 44

Higgins, J. J. See White et al. 22

Hudson, L. W., R. D. Dutton, Mary Massara Reynolds, and W. E. Walden. Taxir—a biologically oriented information retrieval system as an aid to plant introduction 401

Joshi, M. C. See Shah and Joshi 414

Karikari, S. K. See Doku and Karikari 255

Karikari, S. K. See Doku and Karikari 357

Khanduja, S. D. and V. R. Balasubrahmanyam. The prospects of developing a grape industry in India 451

King, K. W. The place of vegetables in meeting the food needs in emerging nations 6

Leppik, E. E. Assumed gene centers of peanuts and soybeans 188

Lipp, Frank J. Ethnobotany of the Chinantec Indians, Oaxaca, Mexico 234

McLaughlin, J. L. See Neal et al. 382

Markley, Klare S. The Babassu oil palm of Brazil 267

Massey, J. H. See White et al. 22

Metcalf, H. N. and J. N. Sharma. Germ plasm resources of the genus *Zinnia* L. 169

Morton, Julia F. *Welensali* (*Croton flavens*): folk uses and properties 464

Nagata, Kenneth M. Hawaiian Medicinal Plants 245

Neal, J. M., P. T. Sato, and J. L. McLaughlin. *Cactus* alkaloids. XI. Isolation of tyramine, N-methyltyramine and hordenine from *Obregonia denegrii* 382

Raisler, W. L. See Higgins et al. 44

Reynolds, Mary Massara. See Hudson et al. 401

Robertson, William, III. See Stewart and Robertson 381

Sato, P. T. See Neal et al. 382

Schlichting, Harold E., Jr. Protein quality of some fresh-water algae 317

Shah, N. C. and M. C. Joshi. An ethnobotanical study of the Kumaon region of India 414

Sharir, Ahuva and Haya Gelmond. Germination studies of *Lesquerella fendleri* and *L. gordonii*, with reference to their cultivation 55

Sharma, J. N. See Metcalf and Sharma 169

Skrdla, W. H. See White et al. 22

Smith, C. Earle, Jr. and S. G. Stephens. Critical identification of Mexican archaeological cotton remains 160

Stephens, S. G. See Smith and Stephens 160

Stewart, Robert B. and William Robertson III. Moisture and seed carbonization 381

Turner, Nancy Chapman and Marcus A. M. Bell. The ethnobotany of the Coast Salish Indians of Vancouver Island 63; Appendix 335

Vidal, J. E. Recent French ethnobotanical research in Southeast Asia 312

Walden, W. E. See Hudson et al. 401

Walton, P. D. The origin and development of the world forage crops 263

Weiner, Michael A. Ethnomedicine in Tonga 423

Whitaker, Thomas W. and Hugh C. Cutler. Pre-historic cucurbits from the Valley of Oaxaca 123

Whitaker, Thomas W. See Deakin et al. 195

White, G. A., B. C. Willingham, W. H. Skrdla, J. H. Massey, J. J. Higgins, W. Calhoun, A. M. Davis, D. D. Dolan, and F. R. Earle. Agronomic evaluation of prospective new crop species 22

White, G. A. See Higgins et al. 44

Willingham, B. C. See White et al. 22

Willingham, B. C. See Higgins et al. 44

Yates, S. G. See Ellis and Yates 1

## INDEX TO REVIEWS AND NOTICES

Agrios, George N. Plant pathology; review 108

Alkaloid-bearing plants and their contained alkaloids; review 213

Bartha, Reinhold. Fodder plants in the Sahel Zone of Africa; review 119

Borghetty, Hector C. See Edelstein and Borghetty; review 109

Chase, Agnes. See Hitchcock and Chase 466

Coats, Alice M. The plant hunters; review 117

Cocking, E. C. See Stiles and Cocking; review 212

Correll, Donovan Stewart and Marshall Conring Johnston. Manual of the vascular plants of Texas; review; 217

Coursey, D. G. (editor). Proceedings of the conference on tropical and subtropical fruits; review 343

Doggett, Hugh. Sorghum; review 115

Edelstein, Sidney M. and Hector C. Borghetty (translators). The plitho of Gioanventura Rosetti; review 109

Erratum 21

Esau, P. See Singleton and Esau; review 112

Ewan, Joseph and Nesta. John Banister and his natural history of Virginia; review 343

Firth, Frank E. (editor). The encyclopedia of marine resources; review 106

Free, John B. Insect pollination of crops; review 465

Frenkel, Robert E. Ruderal vegetation along some California roadsides; review 343

Hartog, C. den. The sea-grasses of the world; review 214

Hitchcock, A. S. and Agnes Chase. Manual of the grasses of the United States; review 466

Hoover, Robert F. The vascular plants of San Luis Obispo County, California; review 343

Hughes, Regina. See Reed and Hughes; review 342

Hulme, A. C. (editor). The biochemistry of fruits and their products; review 220

Inglett, George E. (Editor). Corn: culture, processing, products; review 340

Janick, Jules, R. W. Schery, F. W. Woods, and V. W. Ruttan. Plant science. An introduction to world crops; review 108

Janick, Jules, R. W. Schery, F. W. Woods, and V. W. Ruttan. Plant agriculture; review 340

Johnston, Marshall Conring. See Correll and Johnston; review 217

Jong, A. de. See Nijdam and de Jong; review 219

Joravsky, David. The Lysenko Affair; review 467

Joslyn, Maynard A. See Tressler and Joslyn 466

Knight, R. L. Abstract bibliography of fruit breeding and genetics to 1965. *Prunus*; review 110

Lemmon, Kenneth. The golden age of plant hunters; review 118

Leuenberger, Hans. *Zauberdrogen. Reisen ins weltall der seele*; review 107

Liener, Irvin E. (editor). Toxic constituents of plant foodstuffs; review 111

Ly-Tio-Fane, Madeleine. Maritius and the spice trade: The triumph of Jean Nicholas Céré and his Isle Bourbon collaborators; review 113

Machlis, Leonard (editor). Annual review of plant physiology; review 216

Medvedev, Zhores A. The rise and fall of T. D. Lysenko; review 105

Menninger, E. A. Flowering vines of the world; review 116

Morton, Julia F. Plants poisonous to people in Florida and other warm areas; review 466

Neilson-Jones, W. Plant chimeras; review 212

Nijdam, J. and A. de Jong (editors). Elsevier's dictionary of horticulture; review 219

Notices

Annual Meeting of Society for Economic Botany 356

Harvard University research fellowships in forest resources 464

First international congress of systematic and evolutionary biology 121

International symposium on shrubs 121

Montgomery Lecture Program 470

Seminar on tropical botany 121

Obituaries

Robert Delafield Rands 21

Parmenter, John R. (editor). *Rhizoctonia solani*: biology and pathology; review 215

Phillips, I. D. J. See Wareing and Phillips; review 219

Pijl, L. van der. Principles of dispersal in higher plants; review 109

Polhamus, Loren G. Robert Delafield Rands, Obituary 21

Price, C. A. Molecular approaches to plant physiology; review 213

Raffauf, Robert F. A handbook of alkaloids and alkaloid containing plants; review 115

Rands, Robert Delafield. Obituary 21

Reed, Clyde F. and Regina O. Hughes. Selected weeds of the United States; review 342

Resources and Man. National Academy of Sciences, National Research Council, Committee on Resources and Man; review 112

Ross, William M. See Wall and Ross; review 115

Runeckles, V. C. See Steelink and Runeckles 465

Ruttan, V. W. See Janick et al.; review 108

Ruttan, V. W. See Janick et al.; review 340

Said, Hakim Mohammed (editor). Hamdard pharmacopoeia of Eastern medicine; review 340

Schery, R. W. See Janick et al.; review 108

Schery, R. W. See Janick et al.; review 340

Sears, Paul B. Lands beyond the forest; review 107

Singleton, V. L. and P. Esau. Phenolic substances in grapes and wine, and their significance; review 112

Solbrig, Otto T. Principles and methods of plant biosystematics; review 114

Spruce, Richard. Notes of a botanist on the Amazon and Andes; review 218

Statement of ownership 456

Steelink, Cornelius and V. C. Runeckles (editors). Recent advances in phytochemistry; review 465

Sterly, Joachim. Heilpflanzen der Einwohner Melanesiens. Beiträge zur Ethnobotanik des Südwestlichen Pazifik; review 466

Stiles, Walter and E. C. Cocking. An introduction to the principles of plant physiology; review 212

Stubbs, Ansel Hartley. Wild mushrooms of the central midwest; review 214

Tressler, Donald K. and Maynard A. Joslyn (editors). Fruit and vegetable juice processing technology; review 466

Vogel, Virgil J. American Indian medicine; review 114

Wall, Joseph S. and William M. Ross (editors). Sorghum production and utilization; review 115

Wareing, P. F. and I. D. J. Phillips. The control of growth and differentiation in plants; review 219

Wasson, R. Gordon. Soma—divine mushroom of immortality; review 111

Weniger, Del. Cacti of the Southwest. Texas, New Mexico, Oklahoma, Arkansas, and Louisiana; review 341

Woods, F. W. See Janick et al.; review 108

Woods, F. W. See Janick et al.; review 340

## INDEX TO GENERIC AND SPECIFIC NAMES

Abelmoschus manihot 351

Abies 71; grandis 66, 69, 100; pindrow 414

Abronia 85; latifolia 85, 100

Abutilon cryptopetalum 372; molle 246; oto-carpum 372

Acacia acanthoclada 375; acuminata 369; alata 375; auronitens 375; bivenosa 375; burkittii 367; cedroides 371; cometes 375; cyclops 375; cyanophylla 375; divergens 375; diptera 375; drummondi 375; erinacea 375; extensa 375; farnesiana 369, 389, 397; filifolia var pedunculata 371; fragilis 371; greggii 397; koa 245; koaia 245; lasicalyx 375; leptoneura 371; lineolata 371; merrallii 375; microbotryna 375; nigricans 375; pilosa 375; piliochroa 375; porphyrochila 375; psammophila 375; pulchella 375; pyrifolia 375; resinomarginea 375; rigida 389, 397; rossei 375; salicina 375; sclerosperma signata 375; strigosa 375; subcaerulea 369; tamminensis 375; tetragonophylla 375; tortuosa 397; urophylla 367; xiphophylla 369

Acanthaceae 241, 418

Acanthocarpus preissii 372

Acer 414; circinatum 77, 100; macrophyllum 66, 77, 92, 93, 100

Aceraceae 77

Achillea millefolium 80, 93, 100

Achlys triphylla 79, 100

Achras zapota 241

Achurianthes aspera 414

Achyranthes aspera 436, 449

Aconitum 415; atrox 415; heterophyllum 415, 417

Acrocomia 283, 296; mexicana 242

Acronychia nieuiana 427

Actinidiaceae 239

Actinodium cunninghamii 376; obtusissima 376

Actinostrobus arenarius 373; pyramidalis 373

Adenanthes barbigera 378; filifolia 378; obovata 378; venosa 378

Adenostemma lavenia 245

Adhatoada vasica 414, 418

Adiantum 246; aethiopicum 377; capillus-veneris 246; pedatum 68, 100

Adina cordifolia 414

Adonis aestivalis 31

Adriana quadripartita 374; tomentosa 374

Aechmea mexicana 236

Aegle marmelos 414

Aerva tomentosa 370

Aeschynomene scabra 42

Aesculus indica 421

Agaricus 68, 100

Agaricaceae 238

Agatea violaris 427

Ageratum conyzoides 431, 438, 449

Aglaia odorata 441; saltatorum 427, 441, 449

Agonis floribunda 376; linearifolia 376; parviflora 376; spathulata 376

Agrostis avenacea 371; reinwardtii 355

Agrostocrinum scabrum 372

Aira cupaniana 371

*Ajuga bracteosa* 421  
*Albizia lophantha* 375; *myriophylla* 312  
*Alectoria jubata* 68, 100  
*Aleurites moluccana* 246, 426  
*Algae* 66, 67, 317-319  
*Alismataceae* 73  
*Allium* 417; *acuminatum* 74, 94, 100; *ascalonium* 147; *cepa* 245, 246; *cernuum* 74, 94, 100; *porrum* 150; *strachei* 416, 417; *triquetrum* 376  
*Alnus* 79, 90, 236; *rubra* 66, 79, 92, 95, 97, 100  
*Alocasia macrorrhiza* 246  
*Aloysia lycioides* 397  
*Alphitonia incana* 349, 351; *ponderosa* 246; *zizyphoides* 444, 449  
*Alternanthera nodiflora* 368  
*Alternaria* 2  
*Alyogyne hakeifolia* 376  
*Alysicarpus nummularifolius* 427  
*Alyssum dasycarpum* 31  
*Alyxia buxifolia* 368; *olivaeformis* 246; *stellata* 427  
*Amarantaceae* 367, 368, 370, 373  
*Amaranthaceae* 427, 436  
*Amaranthus albus* 373; *gangeticus* 146; *gangeticus melancholicus* 146; *oleraceus* 146; *palidiflorus* 368; *viridis* 146, 427  
*Amaryllidaceae* 370, 373  
*Amerlanchier alnifolia* 86, 96, 100  
*Amsinckia intermedia* 31; *lunaris* 31; *tessellata* 31  
*Amylema miraculosus* 376; *preissii* 376  
*Amygdalus Persica* 12  
*Amylothece insularum* 441, 449  
*Anacardiaceae* 240, 436, 438  
*Anagallis arvensis* 372; *foemina* 377  
*Ananas comosus* 242, 246, 433; *comosus* 433; *semosus* 146  
*Anaphalis* 414, 419; *adnata* 419; *contorta* 419  
*Anarthria prolifera* 378  
*Anchusa officinalis* 31  
*Andersonia caerulea* 374; *echinocephala* 374; *parviflora* 374; *simplex* 374; *sprengelioides* 374  
*Andira galeottiana* 239  
*Andropogon gerardi* 395  
*Anemone obtusiloba* 415  
*Angelica glauca* 416, 417  
*Angianthus brachypappus* 373; *burkittii* 373; *humifusus* 373; *tomentosus* 373  
*Angiopteris commutata* 428  
*Angiospermae* 73, 77  
*Angiosperms* 66  
*Anigozanthos canescens* 373; *humilis* 370  
*Annona cherimolia* 239; *muricata* 433, 436, 448, 449; *squamosa* 433, 461  
*Annonaceae* 239, 426, 428, 436  
*Anthericum divaricatum* 372  
*Anthobolus leptomerioides* 367  
*Anthocephalus* 221, 222, 223, 231; *cadamba* 221; *chimensis* 221-233; *macrophyllus* 221  
*Anthocercis fasciculata* 372; *genistoides* 367; *litorea* 367; *microphylla* 367; *viscosa* 372  
*Anthonomus grandis* 160  
*Anthotroche pannosa* 370  
*Anthoxanthum odoratum* 74, 100  
*Antidesma pulvinatum* 246  
*Antipathes grandis* 246  
*Autus genistoides* 375; *preissii* 375; *tietkensis* 375  
*Apiaceae* 372, 379  
*Apidae* 189  
*Apium prostratum* 372  
*Apocynaceae* 78, 363, 368, 370, 427, 429, 437  
*Apocynum androsaemifolium* 78, 100; *cannabinum* 78, 91, 95, 96, 100  
*Apodanthera* 123, 124, 125, 127  
*Arabidella trisecta* 368  
*Arabis turrita* 31  
*Araceae* 73, 242  
*Arachis* 188, 189, 190, 193; *hypogaea* 188, 189, 190, 255, 359; *monticola* 189, 190; *pusilla* 189  
*Araliaceae* 78, 350  
*Araucaria excelsa* 349; *klinkii* 349, 355  
*Araucariaceae* 349  
*Arbutus* 82; *andracne* 308; *menziesii* 66, 82, 92, 93, 94, 96, 100  
*Arctostaphylos columbiana* 82, 100; *uva-ursi* 82, 100  
*Arctotheca nivea* 370  
*Areca catechu* 147  
*Argemone glauca* 246  
*Argyreia nervosa* 426  
*Ariocarpus* 183, 383; *fissuratus* 183; *retusus* 182-187  
*Aristida browniana* 375; *contorta* 371  
*Artobotrys uncinatus* 428  
*Artemisia* 414; *australis* var *escholsiana* 246; *herba-alba* 310; *nilagarcia* 418; *parviflora* 418; *vestita* 418; *vulgaris* 418  
*Arthroclemum bidens* 370; *halocnemoides* 373; *lylei* 373  
*Arthroschista hilarilis* 225, 228, 230  
*Artocarpus altilis* 61, 433, 442, 449; *communis* 246; *integrifolia* 148; *polyphema* 148  
*Arundinaceae* 128  
*Arundo donax* 242  
*Asclepiadaceae* 367, 368, 418, 437  
*Asclepias fruticosa* 368  
*Ascophyllum* 317  
*Asparagopsis sanfordiana* 246  
*Asparagus adscendens* 420  
*Asphodelus fistulosus* 376  
*Aspidiaceae* 429  
*Asplenium horridum* 246; *nidus* 246; *praemorsum* 372  
*Asteratae ambigua* 376  
*Aster* 415  
*Asteraceae* 368, 370, 373, 431  
*Astragalus hamosus* 40  
*Astrocyrum* 296  
*Astroloma serratifolium* 374; *xerophyllum* 374  
*Athrixia asteroides* 373; *athrixioides* 373; *nivea* 373; *pulverulenta* 373  
*Athyrium arnottii* 247; *filix-femina* 68, 100; *microphyllum* 247  
*Atriplex bunburyana* 370; *cinereum* 368; *cryptocarpa* 368; *hymenotheca* 368; *inflata* 373; *nummularia* 368; *semilunaris* 373; *spongiosa* 370; *vesicaria* 367; cf. *acutibractea* 370

Attalea 271, 283, 285, 287, 288, 289, 297, 302; *acaulis* 297; *burretiana* 297; *compta* 297; *exigua* 287; *funifera* 297; *geraensis* 289; *oleifera* 287-290; *piassaboussu* 297; *pindobassu* 297; *speciosa* 268, 270

Attaleine 268

Avena *barbata* 375

Azioaceae 367, 368, 370, 373

Baccaurea *motleyana* 148

Baeckea *camphorosmae* 376; *exserta* 376; *fruticosa* 376; *tenuiramea* 376

Balaustion *pulcherrimum* 376

Balsomorrhiza *deltoidea* 80, 100

Banksia *attenuata* 378; *coccinea* 378; *prionotes* 378; *repens* 378; *sphaerocarpa* 378

Bassia *articulata* 373; *astrocarpa* 370; *carnosa* 370; *densiflora* 373; *diacantha* 370; *divaricata* 370; *eremaea* 370; *eriacantha* 376; *eurotioides* 368; *lanicuspis* 368; *obliquicuspis* 370; *paradoxa* 370; *patenticuspis* 370; *quinquicuspis* var *villosa* 370; *sclerolaenoides* 368; *uniflora* 370

Bauhinia *variegata* 420

Beaufortia *bracteosa* 376; *decussata* 376; *elegans* 376; *heterophylla* 376; *macrostemon* 376; *purea* 376; *shaueri* 376

Befaria *discolor* 236

Beilschmiedia *mexicana* 236

Benincasa *cerifera* 146

Berberidaceae 78, 417, 419

Berberis 92; *aquifolium* 78, 100; *asiatica* 414, 419; *aristata* 414, 419; *nervosa* 78, 100; *trifoliolata* 397

Bellardia *trixago* 379

Bergenia 414, 415; *ligulata* 421

Besleria *glabra* 236

Betula *bhojpattra* 417; *occidentalis* 79, 92; *utilis* 415-417

Betulaceae 79, 417

Beyeria *brevifolia* 374; *latifolia* 374

Bicolor 130

Bidens 247

Bignonia *unguiscati* 237, 241

Bignoniaceae 241, 347, 350, 368

Bidens *pilosa* 438, 449, 352

Biscutella *lcewigata* 31

Bixa *orellana* 240, 247

Bixaceae 240

Blechnum *spicant* 68, 100

Bleckeria *sandwicensis* 247

Blumea 351

Bobea 247

Boerhaavia *diffusa* 247, 369, 414, 427; *repandra* 369

Boletus 238; *fragrans* 238

Bombax *larutense* 148

Bombidae 189

Boraginaceae 241, 353, 373, 428

Borago *officinalis* 31

Boronia *alata* 378; *albiflora* 378; *caeruleascens* 367; *crenulata* 378; *denticulata* 378; *dichotoma* 378; *gracilipes* 378; *junccea* 378; *lanuginosa* 378; *ovata* 378; *spathulata* 378; *subsessilis* 378; *scabra* 378; *ternata* 369; *viminea* 378; *xerophila* 378

Borya *nitida* 376

Bossiaeae *biloba* 375; *eriocarpa* 375; *laidlawiana* 375; *linophylla* 375; *walkeri* 375

Bouea *macrophylla* 148

Bougainvillea *glabra* 367

Bouteloua *curtipendula* 395; *gracilis* 395

Brachychiton *populneum* 379

Brachyscome *ciliaris* 370; *ciliocarpa* 370

Brachysema *aphyllum* 375; *chambersii* 375

Brassica 29, 238; *campestris* 239; *rugosa* var *rugosa* 421; *tournifortii* 368

Brassicaceae 367, 368, 371

Briza *minor* 371; *spicata* 22, 29, 31; *subaristata* 32

Brodiaea *coronaria* 74, 100

Bromeliaceae 242

Bromus *gussonii* 371; *inermis* 395

Broussaisia *arguta* 247; *pallidosa* 247

Broussonetia *papyrifera* 247

Brunonia *australis* 368

Brunoniaceae 368

Bryonia *laciniosa* 422

Bryonopsis *laciniosa* 422

Bryophyta 68

Bryophytes 66

Buchardia *umbellata* 372

Bulbinopsis *semibarbata* 376

Bulbophyllum 352

Burmania *disticha* 352

Burseraceae 240

Burtonia *conferta* 375; *gompholoides* 375; *hendersonii* 375; *scabra* 375

Byblidaceae 373

Byblis *gigantea* 373

Cactaceae 239

Caesalpinia 411; *crista* 247

Caesalpinoideae 188

Caffra 130

Cajanus *cajan* 375

Cakile *maritima* 368

Caladenia *flava* 372

Calamintha *clinopodium* 32

Calandrinia *liniflora* 372; *nana* 377; *polyandra* 377

Calathea *lutea* 242

Calectasia *cyanea* 376

Calendula *arvensis* 32; *officinalis* 32

Callicarpa *macrophylla* 419; cf. *longifolia* 141

Callistemon *speciosus* 376

Callitrichaceae 373

Callitricha *stagnalis* 373

Callitricha *huegelii* 373; *preissii* subsp *verrucosa* 373

Calocarpum *sapota* 241

Calophyllum *inophyllum* 431, 439, 449; *vitense* 428, 431

Calopogonium *mucunoides* 440

Calothamnus *blepharospermus* 376; *quadrifidus* 376

Calotis *breviradiata* 370; *hispida* 370; *multicaulis* 370

Calotropis *gigantea* 418; *procera* 414, 418

Calycopeplus *helmsii* 374

Calytrix *angulata* 376; *brachyphylla* 376; *flavescens* 376; *stipulosa* 376; *strigosa* 376; *tetragona* 377

Camassia 73, 76, 91, 95, 96; *leichtlinii* 74, 100; *quamash* 74, 100

Campanulaceae 368

Cananga 436; *odorata* 426, 436, 448, 449

Canavalia 411; *cathartica* 247; *galeata* 247

Canna *glauca* 242; *indica* 427

Cannabaceae 419

Cannabis *sativa* 419

Cannaceae 242, 427

Canthium *attenuatum* 367; *barbatum* 428; *latifolium* 369

Capparidaceae 368

Capparis *sandwichiana* 247

Caprifoliaceae 79

Capsicum 426; *annuum* 146, 241, 247; *var conoides* 241; *var grossum* 241; *var longum* 241; *frutescens* 146, 421, 425, 430, 433, 445, 449

Cardamine *impatiens* 32

Carduus *tenuiflorus* 370

Carex 73, 100; *macrocephala* 73, 100

Carica *cauliflora* 240; *papaya* 61, 148, 247, 363-365, 433

Caricaceae 240, 363

Carinta *herbacea* 432, 444, 449

Carlina *corymbosa* 32

Carludovica *labela* 233

Carnegiea 320; *gigantea* 320-329

Carpinus 236

Carpobrotus *edulis* 373

Carrichtera *annua* 28, 368

Caryophyllaceae 368, 370, 373

Cassia 30, 414; *alata* 40; *artemisioides* 375; *bonariensis* 22, 30, 40; *chateleainiana* 369; *coevensis* 40; *desolata* 375; *eremophila* 375; *var zygophylla* 375; *fistula* 414; *glutinosa* 375; *hirsuta* 40; *javanica* 40; *leptadenia* 40; *leptocarpa* 40; *longirostrata* 41; *marilandica* 40; *obovata* 461; *obtusifolia* 418; *occidentalis* 22, 30, 40; *oligophylla* 375; *pleurocarpa* 369; *sophera* 61; *stipularia* 41; *sturtii* 375; *tora* 418, 428, 431; *uniflora* 41

Cassytha *filiformis* 247; *pubescens* 375; *racemosa* 375

Casuarina 347; *deccussata* 373; *equisetifolia* 437, 448, 449; *glaucia* 373; *helmsii* 373; *humilis* 373

Casuarinaceae 373, 437

Catopodium *rigidum* 369

Catharanthus *roseus* 247, 427, 429, 437, 449

Caulerpa 317

Cedrela *oaxacensis* 240

Cedrus *deodara* 414

Celastraceae 80, 370, 428

Celosia 151, 154; *argentea* 153

Celtis *pallida* 397

Cenchrus *calyculatus* 247; *ciliaris* 369

Centaurea *glaberrima* 25; *melitensis* 370

Centella *asiatica* 419, 432, 446, 449

Centranthus *macrostiphon* 32

Centipeda *minima* 373

Cephaelis *ipecauana* 364

Cephalaria 24; *graeca* 24; *joppica* 24; *leucantha* 24; *setosa* 22, 24, 27; *transsylvanica* 24

Cephalipterum *drummondii* 370

Cephalotaceae 373

Cephalotus *follicularis* 373

Ceratonia *siliqua* 308

Cereus 320; *giganteus* 320; *jamacaru* 328

Cestrum *hartwegii* var *pubescens* 241; *nocturnum* 241; *paefqui* 32

Chaetosorghum 128

Chamaecyparis *nootkatensis* 70, 100

Chamaedorea *elatior* 237, 242; *tepejilote* 242

Chamaelaucium *axillare* 377; *confertiflorum* 377; *megalopetalum* 377; *pauciflorum* 377

Chamaepeuce *afra* 32; *hispanica* 32

Chamaexeros *imbriata* 369; *serra* 372

Chamaescilla *corymbosa* 376

Chasmanthe *aethiopica* 375

Cheilanthes *lasiophylla* 377

Cheiranthera *fifolia* 372

Cheirondendron *gaudichaudii* 247

Chenopodiaceae 80, 239, 367-370, 373

Chenopodium 239; *album* 247; *ambrosoides* 239; *blackianum* 370; *cristatum* 368; *desertorum* 370; *melanocarpum* 370; *murale* 367; *ohahuense* 247; *pumilio* 370; *rhadinostachyum* 363

Chimaphila 83; *umbellata* 83, 100

Chondrus 317

Chorilaena *querckifolia* 372

Chorizema *cordatum* 367; *dicksonii* 375; *diversifolia* 369; *glycinifolium* 375; *trigonum* 375

Chrysanthemum *viscidihirtum* 25

Chusquea *galeottiana* 242

Cibotium *splendens* 247

Cichorium *intybus* 33

Cicuta *dooglassi* 89, 100

Cinchona *succiruba* 423

Cinnamomum 426

Cirsium *brevistylum* 81, 100

Cissampelos *pareira* 237, 239, 421

Cissus *quadrangularis* 420; *trifoliata* 461

Sistus *villosum* 308

Citronella *samoensis* 428

Citrullus *vulgaris* 247

Citrus *aurantium* 240; *limon* 240; *maxima* 433; *medica* var *limonum* 420

Citrullus *vulgaris* 367

Cladosporium 2

Claviceps 1

Clematicissus *angustissima* 379

Clematis *pubescens* 369

Cleome *tetrandra* 368; *viscosa* 151

Cleonia *lusitanica* 33

Clermontia *arborescens* 247

Clerodendron 414; *inerme* 61, 446-449; *buchananii* var *fallax* 245, 248

Clethra 235

Clianthus *formosus* 369

Clusiaceae 375

Cocoineae 407

Cocos 408; *nucifera* 148, 245, 248, 410, 411, 433

Codonocarpus *cotinifolius* 369

Coix *lacryma-jobi* 143, 248

Coleus 349, 351; *amboinicus* 426

Colocasia *esculenta* 144, 248

Colubrina *asiatica* 61

Combretaceae 437, 438

Comesperma *calymega* 367; *ciliatum* 367; *confertum* 367; *flavum* 377; *scoparium* 367; *virgatum* 369

*Comespermum spinosum* 367; *vulobile* 367  
*Commelinia diffusa* 248, 428  
*Commelinaceae* 428  
*Commersonia crispa* 379  
*Compositae* 80, 241, 351, 353, 368, 370, 373, 418-421, 427, 431, 438  
*Condalia* 397  
*Connaraceae* 427  
*Conopholis americana* 236  
*Conospermum amoenum* 378; *caeruleum* 378; *floribundum* 378; *incurvum* 378; *nervosum* 378; *stoechadis* 378; *teretifolium* 378; *tripinnatum* 378  
*Conostephium pendulum* 374; *preissii* 374  
*Conostylis candidans* 373; *involucrata* 373; *setigera* 373; *setosa* 373  
*Convolvulaceae* 241, 368, 371, 373, 418, 419, 427, 438  
*Convolvulus erubescens* 368  
*Conyza* 248, 351  
*Cooperookia polygalacea* 374; *strophiolata* 374  
*Copernicia alba* 291, 293, 296; *australis* 291; *cerifera* 278, 279  
*Coprosma* 353, 354; *brassii* 349, 353; *sundiana* 354  
*Corchorus sidoides* 368; *walcottii* 379  
*Cordia alba* 460, 461; *cylindrostachya* 460, 461; *ferruginea* 241; *subcordata* 428  
*Cordyline* 440; *terminalis* 245, 248, 440, 449  
*Cornaceae* 81  
*Cornus* 236; *canadensis* 81, 100; *capitata* 414; *nuttallii* 81, 92, 93, 100; *stolonifera* 81, 100  
*Coronopus didymus* 371  
*Cortaderia* 4  
*Corticium solani* 261  
*Corylus cornuta* 79, 100  
*Corynotheca micrantha* 369  
*Cotoneaster microphylla* 415  
*Cotula drummondii* 373  
*Crambe abyssinica* 29  
*Crassula colorata* 373  
*Crassulaceae* 81, 373  
*Crataegus azarolus* 308, 310; *douglasii* 86, 100  
*Crepis alpina* 22, 25, 27, 29; *aspera* 25; *aurea* 24; *bennii* 24; *foetida* 25; *kotschyana* 24; *rubra* 25; *thompsonii* 25; *vesicaria* 24; *subsp. taraxacifolia* 24  
*Crescentia alata* 241; *cujete* 460  
*Crotalaria* 30, 41; *cunninghamii* 367; *eriocarpa* 42; *incana* 42; *junccea* 22, 30, 42; *leioloba* 22, 30, 41; *stipularia* 22, 30  
*Croton* 458; *balsamifer* 457, 458, 462; *draco* 237, 239; *eleuteria* 461; *flavens* 457-463; *flavens rigidus* 459; *flucculosus* 457; *ovalifolius* 462; *rhamnifolius* 457, 458; *rigidus* 459; *tiglum* 461  
*Crowea dentata* 378  
*Cruciferae* 29, 55, 82, 239, 367, 368, 371, 421  
*Cryptandra arbutiflora* 378  
*Cryptogams* 312  
*Cryptostemma calendula* 373  
*Cucumis* 195-211; *africanus* 196, 201, 202, 203, 205, 206, 207, 208; *angolensis* 199; *anguria* 195, 196, 205, 206, 207, 208, 209; *var anguria* 199, 201, 202, 205, 208, 210; *anguria* *var longipes* 196, 199, 201, 202, 204, 205, 206, 207, 210; *anguria* *var longipes* *× Cucumis africanus* 206; (*Cucumis anguria* *× Cucumis africanus*) *× Cucumis heptadactylus* 208; *dinteri* 196, 198, 199, 202, 203, 205, 206, 209, 210; *dipsaceus* 196, 199, 202, 205, 206, 207, 208; *Cucumis dipsaceus* *× Cucumis anguria* 208; *Cucumis dipsaceus* *× Cucumis zeyheri* 205, 208; (*Cucumis dipsaceus* *× Cucumis zeyheri*) *× Cucumis zeyheri* 205; *ficifolius* 196, 201, 205, 206, 207, 209; *Cucumis ficifolius* *× Cucumis dipsaceus* 205; *hardwickii* 196, 197, 198, 202, 205, 206, 209, 210; *heptadactylus* 196, 201, 205, 206, 207, 208, 209; *humifructus* 196, 198, 203, 206, 209, 210; *leptodermis* 196, 201, 203, 205, 206, 207, 208, 210; *melo* 195, 196, 197, 198, 199, 202, 203, 204, 205, 206, 207, 208, 209, 210; *Cucumis melo* *× Cucumis anguria* 207; *membranifolius* 207; *metuliferus* 195, 196, 199, 200, 204, 205, 206, 209, 210; *myriocarpus* 196, 201, 202, 203, 205, 206, 207, 208, 210, 371; *prophetarum* 196, 201, 204, 205, 206, 207, 208, 209, 210; *Cucumis prophetarum* *× Cucumis anguria* 205; *Cucurbita* 123, 124, 125, 126, 127; *ficifolia* 123, 124, 125, 126, 127, 240; *maxima* 248; *mixta* 123, 127; *moschata* 123, 127, 144; *pepo* 123, 124, 125, 126, 127, 240  
*Cucurbitaceae* 82, 195, 240, 367, 369, 371, 418, 420, 422, 428  
*Cunoniaceae* 352  
*Cupressaceae* 352, 373  
*Cypressus sempervirens* 310; *torulosa* 414  
*Curcuma domestica* 150, 248, 420; *longa* 420, 424, 426, 447, 449  
*Cuscuta reflexa* 418  
*Cyamopsis tetragonoloba* 30  
*Cyanostegia angustifolia* 372; *lanceolata* 379; *microphylla* 379  
*Cyathea* 347, 350, 353, 354; *rugosula* 428  
*Cyatheaceae* 428  
*Cyathodes colensoi* 352  
*Cycadaceae* 374, 427  
*Cycas circinalis* 60, 427  
*Cyclea barbata* 312  
*Cylindrocystis brebissonii* 318  
*Cymbopogon citratus* 147  
*Cyperaceae* 73, 371, 374, 427  
*Cyperus auriculatus* 248; *javanicus* 248, 427; *laevigatus* 248; *rigidellus* 373; *rotundus* 374  
*Cyrtandra* 245  
*Cyrtocarpa procera* 240  
*Cyrtomium caryotideum* 248  
*Dactyloctenium radulans* 375  
*Dalbergia sissoo* 414  
*Dalea leporina* 42; *vernica* 42

Dampiera aff. altissima 374; coronata 371; curvula 374; hederaceae 374; juncea 374; lavandulaceae 371; leptoclada 374; linearis 374; loranthifolia 374; luteiflora 374; sacculata 369; stowardii 371; tenuicaulis 371; trigona var latealata 371; welliana 371

Danthonia bipartita 371; caespitosa 375; setacea 371

Daphne linearifolia 310

Darwinia citriodora 377; diosmoides 377; hypericifolia 377; purpurea 377; thymoides 377; vestita 377

Dasyguron bromeliaefolius 369; hookeri 376

Datura 421; inoxia 420; leichhardtii 367; Metel 420; meteloides 183, 184; stramonium 248, 367, 420, 421; tatula 420

Dacus glochidiatus 379; pusillus 89, 91, 100

Daviesia acanthooclona 371; alternifolia 371; brevifolia 375; cordata 369; croniiniana 367; divaricata 369; grahamii 369; incrassata 375; nematophylla 375; nudiflora 367; polyphylla 375; reversifolia 375

Decaspernum fruticosum 426

Delphinium 416; cashmerianum 415; denudatum 418

Dendrobium 350, 352

Deraudrenia hermannifolia 379

Derris trifoliata 427

Deschampsia klossii 355

Desmanthus interior 42

Desmodium 414; heterocarpum 428; nicaraguense 42; triflorum 427, 429

Desmoncus chinantlensis 236

Deyeuxia quadriseta 371

Dianella revoluta 376

Diaspasis filifolia 371

Dichanthium humilis 375

Dichondra carolinensis 236

Dicliptera 414

Dicotyledoneae 77

Dicotyledons 312

Dicranopteris linearis 427

Dicrastyles gilesii 379

Dictyosphaeria favulosa 248

Dictyota acutiloba var. distorta 248; dichotoma 248; divaricata 248

Didymanthus roei 370

Digitalis purpurea 364

Digitaria henryi 246; pruriens 248, 427; sanguinalis 248; timorensis 248

Dilleniaceae 374

Dillwynia cinerascens 375; pungens 375

Dimorphantha 350

Dioclea 411; violacea 411

Dioscorea 145; alata 145, 248; composita 242; hastifolia 374; machrostachya 242; pentaphylla 145

Dioscoreaceae 242, 374

Diospyros 438; conzattii 241; ebenaster 438; ferrea 438, 449; samoensis 427, 428; texana 397

Diplolaena angustifolia 372

Diplopeltis huegelii 372

Diplotaxis tenuifolia 367

Diplothemium 287

Diplothrix 169, 170, 178, 179

Dischisma arenarium 379

Dodonaea 248; attenuata var. linearis 378; boroniaefolia 372; bursarifolia 378; ceratocarpa 378; petiolaris 378; microzyga 372; ptarmaci-folia 378; stenozyga 372; viscosa 348, 351

Dolichos tuberosus 239

Dracaena aurea 248

Dracopis amplexicaulis 33

Drimys 349, 353

Drosera erythrorrhiza 374; gigantea 374; rotundifolia 82, 100

Droseraceae 82, 374

Dryandra formosa 378; nivea 378; sessilis 378

Dryopteris 69, 92, 352; austriaca 69, 101

Duabanga moluccensis 232

Dubiosia hopwoodii 367

Durio zibethianus 148

Durra 130

Drosophylla verticillata 352

Dysosyllum 441; decandrum 441; forsteri 433, 441; tongense 433

Ebenaceae 241, 427, 428, 438

Ecdioicolea monstachya 367

Echinacea angustifolia 33

Echinochloa colonum 427

Echinodontium tinctorium 68, 101

Echium italicum 33; plantagineum 33, 373; vulgare 33

Ehrharta brevifolia 371; calycina 371; longiflora 371

Elaeagnus conferta 312

Elaeis 408; Elaeis guineensis 301, 407

Elaeocarpaceae 240, 428

Elaeocarpus tonganus 427, 428

Elaphrium jorullene 240

Elateriospermum tapos 141

Eleagnaceae 82

Eleusine indica 143, 375

Elymus glaucus 74, 101; mollis 74, 101

Emblica officinalis 418

Emex australis 377

Emilia sonchifolia 427

Enchyliena tomentosa 368

Engelhardtia 235

Emeapogon caerulescens 375

Entada 411

Enteromorpha 248; compressa 248; intestinalis 248

Epacridaceae 352, 354, 374

Epicoccum 2; nigrum 2

Epibolium 354; angustifolium 85, 101; glabellum 377

Equisetaceae 68

Equisetum 84, 91; arvense 68, 101; telmateia 68, 101

Eragrostis australasica 371; curvula 371; ciliennis 375; dielsii 375; eriopoda 375; japonica 375; lanipes 375; setifolia 375

Erechthites quadridentata 370

Eremaea pauciflora 377

Eremophila 369, 372; alternifolia 369; caerulea 376; clarkei 372; compacta 372; cuneifolia 369; decipiens 376; dempsteri 372; drummondii 369; duttonii var. parvifolia 369; exilifolia 376; foliosissima 369; fraseri 367; glabra

372; *granitica* 372; *interstans* 376; *lachnocalyx* 372; *latrobei* 369; *leucophylla* 369; *longifolia* 369; *mackinlayi* 372; *maculata* 369; *margaretha* 369; *oldfieldii* 369; *pachyphylla* 372; *pantonii* 372; *platycalyx* 376; *saligna* 372; *scoparia* 372; *spathulata* 372; *weldii* 372

*Eremosyne pectinata* 379

*Eriachne aristidea* 371; *flaccida* 375; *pulchella* 371; *ovata* 375

*Ericaceae* 82, 91, 235, 350, 418, 419

*Erigeron canadensis* 373

*Eriodendron anfractuosum* 148, 149

*Eriostemon brucei* 367; *cocineus* 372; *difformis* 378; var *teretifolia* 378; *nodiflorus* 378; *spicatus* 378

*Erodium aureum* 374; *cicutarium* 374; *cynorum* 374

*Eruca sativa* 28, 29

*Erucastrum strigosum* 28, 29

*Ervatamia* 437; *orientalis* 434, 437, 449

*Erwinia carnegieana* 323

*Erycibe elliptlimba* 312

*Eryngium foetidum* 240

*Erythraea centaurium* 369

*Erythrina* 424; *crista-galli* 430; *sandwicensis* 249; *variegata* 430, 448; var *orientalis* 440, 449

*Erythronium* 75; *oreganum* 75, 101

*Eucalyptus* 245, 249; *accedens* 377; *calycogona* 377; *concinna* 377; *diversifolia* 377; *doratoxylon* 377; *gracilis* 377; *grossa* 377; *marginata* 377; *microthea* 377; *oleosa* var *longicornis* 377; *platypus* var *heterophylla* 377; *redunda* 377; aff. *annulata* 377

*Euchilopsis linearis* 371

*Eugenia* 249; *densiflora* var *angustifolia* 222; *malaccensis* 249

*Euodia hortensis* 448; f *simplicifolia* 444, 449

*Euonymus* 414

*Euphorbia* 189; atoto 427, 428; *australis* 374; *bœophthona* 371; *characias* 33; *coghlanii* 374; *drummondii* 374; *heterophylla* 33; *hirtella* 33; *lagascae* 22, 23, 27; *lathyrus* 33; *matritensis* 34; *multiformis* 249; *myrsinifolia* 34; *myrtoidea* 374; *nutans* 34; *peplus* 371; *royiana* 422; *terracina* 371

*Euphorbiaceae* 23, 189, 239, 240, 367, 371, 374, 418, 422, 427-429, 438, 457

*Eutaxia densifolia* 375; *obovata* 375

*Evandra aristata* 374

*Evernia vulpina* 68, 92, 101

*Evodia* 445; *hortensis* 425

*Exocarpus aphylla* 378; *sparteo* 378

*Exogonium braceletum* 241

*Fabaceae* 367, 369, 371, 375

*Fagaceae* 84, 239

*Fagrea* 352

*Fagus mexicana* 236

*Festuca arundinaceae* 1

*Ficus obliqua* 442, 448, 449; *palmata* 417, 419; *prolixa* 61

*Flacourtiaceae* 427, 428

*Flemingia* 414

*Foeniculum vulgare* 372

*Fomes* 67, 68, 93, 96, 101

*Fragaria chiloensis* 86, 101, 249; *vesca* 86, 101; *virginiana* 86, 101

*Frankenia densa* 374; *fecunda* 374; *pauciflora* 374; *tetrapetala* 374

*Frankeniacae* 374

*Freesia refracta* 375

*Freyicinetia* 350; *arborea* 249

*Fritillaria* 76; *lanceolata* 75, 101

*Fucus* 67, 101

*Fumaria capreolata* 367; *parviflora* 421

*Fumariaceae* 367, 421

*Fungi* 1-5, 66, 67

*Fusarium* 2, 4; *equiseti* 2, 3, 4; *nivale* 3, 4; *roseum* 3; *scirpi* 2, 3; *tricinctum* 3, 4

*Galium* 88, 101, 415

*Ganoderma* 67, 68

*Garcinia* 313, 439; *mangostana* 149, 439; *prainiana* 149; *sessilis* 439, 449

*Gardenia jasminoides* 428; *pseudopsidium* 444; *taitensis* 444, 449

*Gasoul crystallinum* 370; *nodiflorum* 373

*Gastrolobium bilobium* 375; *callistachys* 371; *epacridioides* 371; *floribundum* 375; *pycnostachyum* 375; *spinosum* 375; *velutinum* 375; *villosum* 375

*Geijera linearifolia* 378

*Gelenznowia verrucosa* 378

*Gelidium* 317; *filicinum* 249

*Gelsemium sempervirens* 236

*Geniostoma* 434; *insulare* var *insulare* f *insulare* 441, 449

*Gentiana* 417

*Gentianaceae* 369, 371, 374, 417

*Geraniaceae* 374

*Geum macrophyllum* 86, 101

*Gibberella intricans* 2, 3

*Gigartina* 67, 101

*Gladiolus caryophyllaceus* 371; *cuspidatus* 371

*Glaucium arabicum* 34

*Glaux maritima* 86, 101

*Cleichenia* 350, 352

*Gleicheniaceae* 352, 427

*Glochidion* 438; *concolor* 429; *ramiflorum* 429, 438, 448, 449

*Glycine* 188, 189, 191, 192, 193; *javanica* 191; *max* 188, 191, 192, 359, 394, 419-421; subsp *chinensis* 192; subsp *gracilis* 192; subsp *indica* 192; subsp *koreana* 192; subsp *manshurica* 192; subsp *slavonica* 192; *sericea* 367; *soja* 419; *subterra* 255; *ussuriensis* 191, 192, 193

*Glycyrrhiza acanthocarpa* 375

*Gnaphalodes condensatum* 370; *uliginosum* 370

*Gnephosis brevifolia* 373; *skirrophora* 370

*Gompholobium* 375; *burtonioides* 375; *capitatum* 376; *knighthianum* 376; *ovatum* 376; *polymorphum* 371; *tomentosum* 376; *venustum* 376; *viscidulum* 369

*Goodenia caerulea* 374; *concinna* 374; *decurvata* 371; *discolor* 371; *eatoniana* 374; *fasciculata* 371; *glabra* 367; *laevis* 374; *leptoclada* 374; *mueckeana* 371; *pinifolia* 371; *pinnatifida* 371; *pterigosperma* 374; *robusta* 374; *scapigera* 371; *tenuiloba* 371; aff. *heterochila* 374; aff. *heterochila* var *racemosa* 374

Goodeniaceae 367, 369, 371, 374, 439  
*Goodyera* 83; *oblongifolia* 77, 101  
*Cosyphium barbadense* 166; var. *darwinii* 166; *hirsutum* 160, 163, 164, 165, 166, 167, 394; *race latifolium* 161, 163, 164, 165, 167; *race marie galante* 161, 163, 165; *race morrillii* 161; *race palmeri* 161; *race punctatum* 161, 163, 164, 165, 167; *race richmondii* 161; *mexicanum* 240  
*Gracilaria coronopifolia* 249  
*Graminae* 74, 76, 242, 367, 369, 371, 375, 427, 428  
*Grateloupia* 317  
*Gratiola peruviana* 379  
*Grevillea acicularis* 378; *apiculata* 378; *biformis* 378; *bipinnatifida* 378; *concinna* 378; *crithmifolia* 378; *deflexa* 378; *dielsiana* 369; *diversifolia* 378; *endlicheriana* 378; *eriostachya* 378; *filifolia* 378; *glabrata* 378; *haplantha* 378; *huegelii* 378; *hookeriana* 378; *incrassata* 372; *paniculata* 378; *paradoxa* 378; *pauciflora*, 378; *petrophiloides* 378; *pilulifera* 378; *plurijuga* 378; *pulchella* 378; *wilsonii* 378  
*Grewia oppositifolia* 417; *optiva* 417  
*Grindelia* 81, 101  
*Grossulariaceae* 84, 91  
*Gaultheria* 235, 354; *chiapensis* 236; *shallon* 83, 91, 94, 95, 96, 101  
*Guarea* 423  
*Guatteria galeottiana* 236  
*Guettarda speciosa* 411, 444, 449  
*Guineensisia* 130  
*Guttiferae* 375, 428, 431, 439  
*Gymnospermae* 69  
*Gymnosperms* 66, 312  
*Gymnosporia vitiensis* 428  
*Gyrocarpus americanus* subsp. *americanus* 440, 449  
*Gyrostemon ramulosus* 367  
*Gyrostemonaceae* 367, 369  
*Haemocharis* 348  
*Haemodorum paniculatum* 371; *spicatum* 367  
*Haemodoraceae* 367, 371, 375  
*Hakea ambigua* 378; *arida* 378; *ceratophylla* 378; *crassifolia* 378; *cunninghamii* 378; *falcata* 372; *ferruginea* 378; *loreia* 378; *multilineata* 378; *prostrata* 378; *recurva* 378  
*Halepensia* 128  
*Halagania cyanea* 373; *lavandulacea* 373; *gustafsenii* 373  
*Halictidae* 189  
*Haliseris pardalis* 249; *plagiogramma* 249  
*Haloragaceae* 375  
*Haloragis* 375; *gossei* 375; *odontocarpa* 375; *racemosa* 375; *rotundifolia* 375; *trigonocarpa* 375  
*Hamamelidaceae* 239  
*Hardenbergia comptoniana* 371  
*Hedychium coronarium* 249  
*Helenium microcephalum* 34  
*Helianthus annuus* 370, 394  
*Helichrysum apiculatum* 373; *bracteatum* 34; var. *albidum* 370; *davennportii* 370; *fulgidum* 34; *obtusifolium* 373; *ramosum* 373  
*Heliocarpus donnell-smithii* 240; *tomentosus* 240  
*Heliotropium anomalum* var. *argenteum* 249; *aspernum* 373; *europaeum* 34; *ternatum* 459; *undulatum* 373  
*Helipterum battii* 370; *charsleyae* 373; *cotula* 373; *craspedoides* 373; *floribundum* 373; *haigi* 373; *hyalosperma* 373; *maryonii* 373; *propinquum* 373; *pygmaeum* 373; var. *occidentale* 373; *roseum* 373; *splendidum* 373; *strictum* 373; *tenellum* 373; *vereendum* 373  
*Hemiandra pungens* 367  
*Hemigenia divaricata* 371; *incana* 375; *macrantha* 367; *teretiuscula* 367  
*Heracleum lanatum* 89, 101  
*Heritiera littoralis* 427  
*Hermania moerenhoutiana* 448, 449; subsp. *campanulata* 440; *ovigera* 428, 440  
*Herandiaceae* 428, 440  
*Heterodendron oleifolium* 378  
*Heterosorghum* 128  
*Hevea* 21  
*Hibbertia acerosa* 374; *amplexicaulis* 374; *argentea* 374; *cuneiformis* 374; *exasperata* 374; *helianthemooides* 374; *huegelii* 374; *hypericoides* 374; *microphylla* 374; *murronata* 374; *pachyrrhiza* 374; *perfoliata* 374; *polyclada* 374; *racemosa* 374; *stellaris* 374; *subvaginata* 374; *teretifolia* 374; *tetrandra* 374  
*Hibiscus* 152; *abelmoschus* 427, 433; *cannabinus* 30, 42; *coatesii* 376; *esculentus* 42, 43; *farragei* 372; *huegelii* 376; *tiliaceus* 249, 433, 441; subsp. *tiliaceus* 449; *youngianus* 249  
*Hierochloe redolens* 355  
*Hirsutum* 161  
*Hippocastanaceae* 421  
*Holarrhena* 313  
*Holcus lanatus* 375  
*Holodiscus* 77; *discolor* 86, 92, 101  
*Hordeum distichon* 381; *leporinum* 371; *vulgare* 381  
*Houstonia angustifolia* 236  
*Hovea acanthoclada* 367; *chorizemifolia* 367; *elliptica* 367; *pungens* 367; *trisperma* 367  
*Hoya australis* 437, 449  
*Hybanthus calycinus* 368; *floribundus* 368  
*Hydrangeaceae* 84  
*Hydrocotyle* 379; *asiatica* 419; *verticillata* 249  
*Hydrocharitaceae* 375  
*Hydrophyllaceae* 84  
*Hydrophyllum tenuipes* 84, 101  
*Hylocereus* 239  
*Hypericum* 354; *cernuum* 421; *perforatum* var. *angustifolium* 375  
*Hypnea armata* 249; *nidifica* 249  
*Hypocalymma angustifolium* 377; *phillipsii* 377; *robustum* 377; *speciosum* 377  
*Hypericaceae* 354  
*Hypolepis tenuifolia* 427  
*Iberis amara* 28, 29; *umbellata* 28, 29  
*Iacacinaceae* 428  
*Ilex opaca* 388; *vomitoria* 389, 391, 397  
*Impatiens* 352; *balsamina* 249  
*Imperata* 347; *cylindrica* 350  
*Indigofera* 414; *australis* 371; *boviperda* 376; *brevidens* 369; *georgei* 371; *gerardiana* 414; *suffruticosa* 42, 249  
*Inflexae* 47

*Inga jinicuil* 239  
*Incarpus edulis* 411, 440, 449; *fagiferus* 440  
*Intsia palembanica* 223  
*Ipomoea* 411; *alba* 249, 411; *amnicola* 34; *batatas* 145, 245, 249, 433; *cairica* 371, 427; *congesta* 250, 429, 438, 449; *conzattii* 241; *macrorhiza* 241; *muelleri* 371; *nil* 419; *parasitica* 34; *pes-caprae* 250, 373; *tuberosa* 250  
*Iridaceae* 371, 375  
*Istasis tinctoria* 30, 34  
*Isopogon crithmifolia* 378; *dubius* 378; *formosus* 378; *latifolius* 378; *scabriuscula* 378; *sphaerocephalus* 378; *teretifolius* 378; *trilobus* 378  
*Isotoma hypocrateriformis* 367  
*Isotropis cuneifolia* 369; *juncea* 371  
*Ixia meterlerkampiae* 371  
*Ixiolaena viscosa* 373  
*Jacksonia alata* 376; *calycina* 376; *capitata* 376; *eremodendron* 376; *furcellata* 376; *horrida* 376; *lehmannii* 376; *nematoaclada* 376; *racemosa* 376; *sternbergiana* 376  
*Jacobinia spicigera* 241  
*Jacquemontia sandwicensis* 250  
*Jasminium simplicifolium* 443, 448, 449  
*Jatrophus curcas* 433, 438, 449; *gossypifolia* 460; *multifida* 433  
*Johnsonia lupulina* 372  
*Jubaea* *opsis* 407  
*Juglandaceae* 418  
*Juglans regia* 418  
*Juncaceae* 74, 371  
*Juncaginaceae* 369  
*Juncus* 74; *effusus* 74, 101  
*Juniperus communis* 70, 101; *phoenicia* 310; *scopulorum* 70, 94, 96, 101  
*Junkus pallidus* 371  
*Jurinea anatolica* 25; *carduiformis* 25  
*Jussiaea erecta* 427; *suffruticosa* var *ligustræfolia* 250  
*Justicia gendarussa* 152, 154, 414  
*Kallstroemia platyptera* 368  
*Kennedyia beckxiana* 376; *carinata* 376; *coccinea* 376; *nigricans* 376; *prorepens* 376; *prostata* 376  
*Keraudrenia integrifolia* 379  
*Kingia australis* 372  
*Kochia* 370; *amoena* 373; *atkinsiana* 373; *brevifolia* 368; *carnosa* 370; *enchylaenoides* 368; *erioclada* 368; *excavata* var *trichoptera* 367; *fimbriolata* 370; *georgei* 367; *glomerifolia* 370; *ostenfeldii* 368; *pyramidalis* 367; *radiata* 373; *sedifolia* 368; *tomentosa* 370; *triptera* 368; *villosa* 367  
*Kohlruschia prolifer* 368  
*Kokia* 250  
*Kunzea ericifolia* 377; *preissiana* 377; *recurva* 377; var *montana* 377  
*Labiateae* 84, 241, 349, 352, 367, 369, 371, 375, 419-422, 428, 432  
*Labichea lanceolata* 376  
*Lachnostachys coolgardiensis* 379; *eriobotrya* 379  
*Lagenaria* 123, 125, 127; *siceraria* 123, 124, 126, 127, 250  
*Lagerstroemia floribunda* 313  
*Lagurus ovatus* 375  
*Lambertia ericifolia* 378; *inermis* 378; *multiflora* 372  
*Lamiaceae* 367, 369, 371, 375  
*Laminaria* 317  
*Lamium purpureum* 34  
*Lansium domesticum* 149  
*Lantana camara* 414, 449; var *mista* 446, 448  
*Lappula barbata* 35; *redowskii* 35  
*Lapsana communis* 26; *grandiflora* 26  
*Lasiocarpus ruscifolius* 242  
*Lasiopetalum floribundum* 379  
*Lassianandra* 351  
*Latrobea brunonis* 376; *diosmifolia* 376; *hirtella* 376  
*Lauraceae* 235, 239, 375, 417, 427  
*Laurencia* 250  
*Lavatera plebeia* 372  
*Lawrenzia* 376  
*Laxmannia grandiflora* 376  
*Leavenworthia torulosa* 35  
*Ledum* 83; *groenlandicum* 83, 101  
*Leguminosae* 84, 239, 348, 367, 369, 371, 375, 418-420, 427-431, 440  
*Lemaireocereus Thurberi* 322  
*Leontotis nepetaefolia* 35  
*Lepidium* 58; *oxytrichum* 368  
*Lepidobolus chaetocephalus* 378  
*Lepidoptera* 227  
*Lepidosperma angustatum* 374; *persecans* 374; *tuberculatum* 374  
*Leptocarpus scariosus* 378  
*Leptochloa digitata* 369  
*Leptocyanus* 191  
*Leptomeria scrobiculata* 378; *spinosa* 378; *squarrulosa* 378  
*Leptospermum ellipticum* 377; *erubescens* 377; *firmum* 377; *spinosum* 377  
*Leschenaultia biloba* 369; *expansa* 374; *floribunda* 374; *formosa* 371; *heteromera* 374; *hirsuta* 367; *stenocephala* 371; *tubiflora* 371  
*Lesquerella* 55-59; *fendleri* 55-59; *gordonii* 55-59  
*Leucaena glauca* 428  
*Leucas* 414  
*Leucopogon colensoi* 352; *gilbertii* 374; *glabellus* 374; *parviflorus* 374; *pulchellus* 374; *spengelioides* 374; *unilateralis* 374  
*Leucotricha* 235  
*Levenhookia pusilla* 379  
*Lhotzkya ericooides* 377  
*Lichens* 68, 92  
*Liliaceae* 74, 91, 369, 372, 376, 417, 420, 440  
*Lilium* 75; *columbianum* 76, 101  
*Limanthes* 44-54; *alba* 45, 47, 48, 49, 50, 51, 52, 53; var *versicolor* 45, 47, 48, 49, 50, 51, 52, 53; *bakeri* 45, 48, 51; *douglasii* 44, 47, 48, 49, 50, 51, 52, 53; var *douglasii* 45; var *nivea* 45, 48, 49, 51, 53; var *rosea* 45, 48, 51, 52; var *sulphurea* 46; *fluccosa* 46; var *bellingeriana* 46, 48; var *pumila* 46, 48; *gracilis* 46, 48, 51; var *gracilis* 46, 48, 51; var *parishii* 46, 47, 48, 49, 50, 51, 52, 53; *macounii* 47, 53; *montana* 46, 47, 48, 53; *striata* 46, 48, 50  
*Limonium sinuatum* 377

Linaceae 421  
*Lindsea linearis* 372  
 Liquidambar 236, 237, 238; *styraciflua* 236, 239  
 Lithospermum *apulum* 35; *arvense* 35; *tenuiflorum* 35  
 Litsea *cubeba* 312; *glaucescens* 239; *mellifera* 427  
*Lobelia anceps* 367; *rhombifolia* 369; *rhytidosperma* 369; *tenuior* 369  
 Lobeliaceae 367, 369  
 Lobularia *maritima* 30, 35  
*Logania callosa* 376; *campanulata* 376; *fasciculata* 372; *ovata* 372; *serpyllifolia* 376  
 Loganiaceae 372, 376, 441  
*Lolium perenne* 264, 369  
 Lomandra *glaucha* 376; *hastilis* 372; *pauciflora* 372  
 Lomatium 73, 77; *nudicaule* 89, 92, 93, 97, 101; *utriculatum* 89, 101  
 Lonicera *ciliosa* 79, 101  
 Lophophora 382, 383; *williamsii* 182, 183, 185, 323, 328  
 Loranthaceae 376, 441  
*Loranthus casuarinae* 376; *nestor* 376  
 Lotus *cruentus* 367  
 Loudonia *aurea* 375  
*Luffa cylindrica* 240  
*Lunaria annua* 35  
*Lupinus* 85; *angustifolius* 367; *cosentini* 367; *polyphyllus* 84, 93, 101  
*Lycium australe* 368; *ferocissimum* 368  
*Lyginia tenax* 378  
*Lyonia ovalifolia* 414, 418  
*Lysiana murrayi* 376  
*Lysichiton americanus* 73, 101  
*Lysinema ciliatum* 374; *conspicuum* 374  
*Lysiosepalum involucratum* 379  
 Lythraceae 419, 428  
*Macaranga* 232; *harveyana* 439, 449  
*Macathuria australis* 367  
*Macropidia fuliginosa* 373  
*Macropiper excelsum* 349, 351; var *majus* 351  
*Macrozamia riedlei* 374  
*Madia sativa* 81, 101  
*Maesa tongensis* 428  
*Maianthemum dilatatum* 76, 101  
*Malcolmia africana* 35  
*Mallotus philippensis* 414  
*Malope trifida* 35  
*Malva alcea* 36; *parviflora* 36, 372  
 Malvaceae 351, 372, 376, 427-431, 441  
*Malvastrum coromandelianum* 428, 431; *spicatum* 376, 460  
*Mangifera indica* 240, 388, 433  
*Manihot esculenta* 433; *olfersiana* 239; *utilissima* 143, 144  
*Maniltoa amicorum* 428; *braunioides* 348  
*Marah oregana* 82, 101  
 Marantaceae 427  
 Marantaceae 422, 427  
 Marattiaceae 428  
*Marianthus candidus* 377; *coeruleo-punctatus* 372; *microphyllus* 377; *pictus* 369  
*Markleya Dahlgreniana* 277  
*Marsdenia australis* 367  
*Marsilea* 376  
*Marsileaceae* 376  
*Mauritia* 296  
*Maximiliana* 276; *regia* 274, 276, 277  
*Medicago minima* 369; *polymorpha* 369; *sativa* 386  
 Megachilidae 189  
 Megascolecidae 355  
*Melaleuca* *adnata* 377; *cuticularis* 377; *elliptica* 377; *fulgens* 377; *lateritia* 377; *microphylla* 377; *pauperiflora* 377; *rhaphiophylla* 377; *scabra* 377; *seriata* 377; *striata* 377; *thymoides* 377; *trichophylla* 377; *uncinata* 377  
*Melastoma* *denticulatum* 426  
 Melastomaceae 428  
*Meliaceae* 240, 427, 441  
*Melica* *subulata* 74, 101  
*Melilotus indica* 369  
*Meloidogyne javanica* 261  
*Memecylon harveyi* 428  
*Mendezia* 169, 171, 172, 178, 179  
 Menispermaceae 239, 312, 420, 421  
*Menkea australis* 368; *sphaerocarpa* 371; *villosa* 368  
*Mentha arvensis* 84, 101  
*Mercurialis annua* 36  
*Merremia borneensis* 227, 228  
*Mesoneuron sumatrana* 223, 227  
*Mesotaenium kramstai* 318  
*Metrosideros* 250; *polymorpha* 250  
*Mezoneuron kauaiense* 250  
*Microcorys exserta* 369  
*Microcybe multiflora* 378  
*Microlaena stipoides* 369  
*Microlepia setosa* 250  
*Micromeria* 414  
*Micromyrtus* 377; *imbricata* 377; *racemosa* 377  
*Microseris scapigera* 370  
*Microtis alba* 372  
*Mimosa pudica* 414  
*Mimosoideae* 188  
*Mirabilis jalapa* 250  
*Mirbelia dilatata* 369; *microphylla* 376; *microphyllodes* 376; *ovata* 376; *spinosa* 371; *subcordata* 376  
*Mitrasacme paradoxia* 376  
*Momordica charantia* 420, 428  
*Monarda fistulosa* 36; *punctata* 36  
*Moneses uniflora* 83, 101  
*Monocotyledonae* 73  
*Monocotyledons* 312  
*Monomorium pharaonis* 358  
*Monostroma* 250; *latissimum* 250  
*Monotaxis grandiflora* 371; *luteiflora* 371  
*Montia siberica* 85, 101  
*Moraceae* 417, 419, 442  
*Morinda citrifolia* 250, 444, 449  
*Mosla punctulata* 36  
*Mucuna* 411; *gigantea* 250; *urens* 411  
*Muehlenbeckia adpressa* 377; *cunninghamii* 377  
*Mukia maderaspatana* 369  
*Muntingia calabura* 240  
*Musa* 245, 250, 251; *nana* 242; *paradisiaca* var *sapientum* 143; *rosacea* 242; *sapientum* 242  
 Musaceae 242  
*Mycobacterium tuberculosis* 365  
*Myoporaceae* 367, 369, 372, 376

*Myoporum acuminatum* 369; *deserti* 369; *insulare* 369; *platycarpum* 372; *serratum* 372  
*Myrica esculenta* 414, 420  
*Myricaceae* 420  
*Myriophyllum propinquum* 375  
*Myrmecodia* 347, 354  
*Myrsinaceae* 240, 428  
*Myrtaceae* 240, 372, 442  
*Najadaceae* 77  
*Nardostachys jatamansi* 415, 416  
*Nasturtium officinale* 251  
*Naulea diderrichii* 221, 227  
*Naucleas* 221  
*Nematolepis phebaliooides* 378  
*Neolitsea umbrosa* 417  
*Nepenthes* 352  
*Nepesta* 415  
*Nephelium glabrum* 149; *lappaceum* 149; *mutabile* 149  
*Nephrolepis* 352; *hirsutula* 427, 429  
*Nereocystis luetkeana* 67, 93, 101  
*Nerium indicum* 251; *oleander* 368, 427, 429  
*Nervosum* 130  
*Neurachne alopecuroides* 369; *mitchelliana* 371  
*Newcastelia cephalantha* 379  
*Nicotiana cavigola* 372; *glauca* 251, 368; *goodspeedii* 370; *occidentalis* subsp. *obliqua* 370; *rosulata* 368; *rotundifolia* subsp. *aridicola* 370; *simulans* 370; *tabacum* 150, 251, 352, 437  
*Nitaria schoberi* 368  
*Nothocestrum breviflorum* 251; *latifolium* 251; *longifolium* 251; *peltatum* 251; *subcordatum* 251  
*Nothopanax* 350  
*Nuphar polysepala* 85, 101  
*Nuystia floribunda* 376  
*Nyctaginaceae* 85, 367, 369, 427, 442  
*Nymphaceae* 85  
*Nypha fruticans* 410  
*Nyssa* 236  
*Obregonia* 382; *denegrii* 382-384  
*Ocimum micranthum* 241; *sanctum* 153  
*Ocotea effusa* 236  
*Octomeles sumatrana* 232  
*Oenocarpus* 296  
*Oenothera claviformis* 36; *drummondii* 36, 377; *odorata* 377; *rosea* 36  
*Olacaceae* 377, 428  
*Olax phyllanthi* 377  
*Olea europaea* 308, 310  
*Oleaceae* 443  
*Olearia* 353; *axillaris* 373; *homolepis* 370; *muelleri* 373; *passerinoides* 373; *rudis* 370; *stuartii* 370  
*Oligarrhena micrantha* 374  
*Omphalolappula concava* 373  
*Onagraceae* 85, 354, 377, 427  
*Onychosepalum laxiflorum* 378  
*Opercularia hispidula* 369  
*Oplopanax horridum* 78, 93, 101  
*Opuntia* 397; *magacantha* 251  
*Orbignya* 268, 270, 274-280, 285-287, 296-299, 302; *agrestis* 274, 275; *Barbosiana* 268; *campestris* 296; *eichleri* 270, 277; *longibracteata* 296; *macrocarpa* 296; *marostachya* 270; *Mar-*  
*tiana* 268, 270, 285; *oleifera* 285; *speciosa* 267-300; *teixeirana* 270, 277  
*Orchidaceae* 77, 372  
*Oreopanax platyphyllum* 236  
*Origanum vulgare* 411  
*Orobanchaceae* 377  
*Orobanche australiana* 377  
*Orthrosanthus laxus* 371  
*Oryza sativa* 142, 394  
*Osmaronia cerasiformis* 82, 86, 94, 101  
*Osmorrhiza purpurea* 89, 101  
*Osteomeles anthyllidifolia* 251  
*Osteospermum clandestinum* 373  
*Ottea ovalifolia* 375  
*Oxalidaceae* 377, 419, 427, 429, 443  
*Oxalis corniculata* 251, 377, 419, 427, 429, 443, 449; *martiana* 251; *pes-caprae* 377  
*Oxylobium atropurpureum* 376; var. *minorifolia* 376; *cuneatum* 376; *drummondii* 376; *lanceolatum* 376; *linearifolium* 376; *parviflorum* 376; var. *revolutum* 376; *racemosum* 376  
*Pachycereus pecten-aboriginum* 327; *pringlei* 321, 327  
*Pachystima myrsinifolia* 80, 101  
*Palmae* 242, 268  
*Pandanaceae* 350  
*Pandanus* 347, 350; *corallinus* 433; *odoratissimus* 251; var. *pseudo-linnaei* 433; var. *pyriformis* 433; *odoratissimus* var. *sinensis* 433; *tectorius* 433  
*Panicum virgatum* 395  
*Papaver hybrideum* 36, 369  
*Papaveraceae* 369  
*Papilionatae* 188, 191  
*Papuacedrus* 352; *arfakana* 352  
*Papuina* 354  
*Paractenium novae-hollandiae* 367  
*Parasorghum* 128  
*Parentucellia viscosa* 379  
*Parietaria debilis* 379  
*Parkia speciosa* 149  
*Parthenium hysterophorus* 461  
*Paspalum dilatatum* 375; *orbiculare* 251  
*Passiflora edulis* 240, 433; *foetida* 369, 428, 433; *laurifolia* 433; *ligularis* 240; *maliformis* 433  
*Passifloraceae* 240, 369, 428  
*Patersonia limbata* 375; *occidentalis* 375; *rudis* 375; *umbrosa* 375; *xanthina* 375  
*Pedialstrum* 318, 319  
*Pedicularis* 415; *carnosa* 414  
*Pelargonium capitatum* 374; *drummondii* 374  
*Pelea* 251; *cinerea* 251  
*Peltaria angustifolia* 28  
*Pemphis acidula* 428  
*Pennisetum americanum* 131; *orientale* 369  
*Pentatropis linearis* 367  
*Peperomia* 251  
*Peplidium muelleri* 372  
*Perideriera gairdneri* 90, 102  
*Persea drymifolia* 239; *flavifolia* 239; *floccosa* 239; *liebmannii* 236; *shiedeana* 239  
*Persica* 12  
*Persoonia comata* 378; *diadema* 369; *longifolia* 378; *microcarpa* 378; *saccata* 378; *teretifolia* 378

*Petasites frigidus* 81, 102  
*Peucedanum sandwicense* 251  
*Petrophile aniceps* 378; *diversifolia* 378; *ericifolia* 378; *linearis* 378; *scrruriae* 378; *squamata* 378; *teretifolia* 378  
*Phakospora pachyhydizea* 188, 192  
*Phalaris tuberosa* 369  
*Phaseolus* 239, 401-406; *ellipticus* 239; *lunatus* 255, 359; *vulgaris* 145, 239, 387, 401  
*Phelandrium aniceps* 372; *drummondii* 372; *filiformium* 367; *microphyllum* 369; *rude* 378  
*Phedole megacephala* 357  
*Philadelphus lewisi* 84, 102  
*Phillyrea media* 308  
*Phylllosticta* 261  
*Philodendron sanguineum* 242  
*Philotheca hassellii* 372  
*Phlebocarya ciliata* 375  
*Phlematospermum cochlearinum* 368  
*Phragmites communis* 96, 133  
*Phyllanthus calycinus* 374; *emblica* 418; *maderapensis* 374  
*Phyllocladus* 350, 352  
*Phymatodes scolopendria* 429, 443, 449  
*Physalis* 238; *angulata* 433, 445, 449; *micanthoides* 36; *mollis* var *cinerascens* 241; *peruviana* 445, 449  
*Physocarpus capitatus* 86, 102  
*Physopsis spicata* 379  
*Phytolacca octandra* 239, 367  
*Phytolaccaceae* 239, 367, 431  
*Picea sitchensis* 66, 70, 102  
*Picinocarpus glaucus* 367  
*Picris comosa* 26; *echioides* 26; *hieracioides* 26; var *glabrescens* 26  
*Picrorhiza* 416; *kurroa* 415, 417  
*Pieris ovalifolia* 418  
*Pileanthus filifolius* 377  
*Pimelea angustifolia* 379; *argentea* 379; *clavata* 379; *hispida* 379; *imbricata* 379; var *gracilima* 379; *longiflora* 379; *microcephala* 379; *nervosa* 379; *preissii* 379; *rosea* 379; *spectabilis* 379; *sulphurea* 379; *thesioides* 379  
*Pinaceae* 69, 91, 239, 421  
*Pinus* 236; *contorta* 66, 70, 71, 96, 102; *halepensis* 308; *insularis* 231; *longifolia* 421; *monterezumae* 236; *monticola* 71, 97, 102; *oaxacana* 239; *palustris* 388; *roxburghii* 414, 421  
*Piper* 349, 351, 355; *auritum* 239; *betle* 151; *methysticum* 245, 251, 433, 443, 449; *puberulum* var *glabrum* 433, 443, 449; *sanctum* 239  
*Piperaceae* 239, 349, 351, 443  
*Pipturus* 251; *arborescens* 446; *argenteus* 449; var *lanosus* 446  
*Pisonia grandis* 442, 449  
*Pistacia atlantica* 308, 310; *lentiscus* 308; *palaestina* 308  
*Pitcairnia heterophylla* 236  
*Pithecellobium arboricum* 239  
*Pithophora* 318; *affinis* 251  
*Pittosporaceae* 369, 372, 377  
*Pittosporum* 252; *phylliraoides* 372  
*Pityrodia axillaris* 372; *bartlingii* 372; *lepidota* 370; *verbascina* 379  
*Planchonella costata* 427  
*Plantaginaceae* 377  
*Plantago lanceolata* 377, 433; *major* 252, 433; *varia* 377  
*Platanus* 236; *occidentalis* 387, 389  
*Platysace compressa* 372; *effusa* 379; *junccea* 372; *pendula* 379; *tenuissima* 379  
*Platytheca juniperina* 379; *verticillata* 379  
*Pleurosorus rutifolius* 377  
*Pluchea rubelliflora* 373  
*Plumbaginaceae* 377  
*Plumbago zeylanica* 252  
*Poa australis* 375; *sinaica* 310  
*Poaceae* 367, 369, 371, 375  
*Podocarpaceae* 377  
*Podocarpus* 350; *drouyniana* 377  
*Podolepis canescens* 373; *capillaris* 370; *gnaphaloides* 373; *gracilis* 373; *lessonii* 373; *rugata* 370  
*Podophyllum emodi* 417; *hexandrum* 417  
*Podotheca chrysanthia* 373  
*Polanisia viscosa* 36  
*Polycarpon tetraphyllum* 368  
*Polygalaceae* 367, 369, 377  
*Polygonaceae* 85, 377, 417, 419  
*Polygonum affine* 415; *aviculare* 377  
*Polynymia maculata* 241  
*Polyodiaceae* 68, 239, 352, 372, 377, 420, 427, 429, 443  
*Polyodium aurea* 239; *polypodioides* 236; *scopulopendria* 427; *vulgare* 69, 102  
*Polyporus versicolor* 68, 102  
*Polystichum munatum* 69, 102  
*Pomaderris* 349; *forrestiana* 378  
*Pometia* 445; *pinnata* 223, 445, 449  
*Populus deltoides* 389; *tremuloides* 88, 89, 94, 102; *trichocarpa* 66, 88, 89, 92, 94, 97, 102  
*Porana sericea* 368  
*Poranthera huegelii* 371; *microphylla* 367  
*Porophyllum ruderale* *macrocephalum* 241  
*Porphyra* 67, 102, 317; *leucosticta* 252  
*Portulaca oleracea* 372; *grandiflora* 239  
*Portulacaceae* 85, 239, 372, 377  
*Potentilla argyra* 415; *atrosanguinea* 415; *fulgens* 414, 418; *pacifica* 87, 102  
*Poterium spinosum* 308  
*Pouteria sandwicensis* 252  
*Permna amboinensis* 449; *barbata* 418; *integrifolia* 61; *muconata* 418; *obtusifolia* 432; *taitensis* var *rimatrensis* 432, 446, 449  
*Primula* 415  
*Primulaceae* 86, 372, 377  
*Prinsepia utilis* 420  
*Pritchardia hillebrandii* 252  
*Prosopis glandulosa* var *glandulosa* 389; *juliiflora* 367; var *glandulosa* 387, 397  
*Prostanthera* *baxteri* 367; var *crassifolia* 367; *microphylla* 371  
*Proteaceae* 369, 372, 378  
*Prunella vulgaris* 84, 102  
*Prunus* 14, 15, 18, 19, 86; *cerasoides* 416, 421; *communis* 12; *persica* 12, 418; *emarginata* 87, 92, 102; *pudum* 421  
*Psammomoya choretroides* 370  
*Pseudotsuga menziesii* 66, 71, 92, 94, 102  
*Pseudowintera* 349, 353  
*Psidium guajava* 240, 245, 252, 388, 442, 449  
*Psilocybe mexicana* 238

*Pteridium aquilinum* 69, 91, 102, 350; *esculentum* 377  
*Pteridophyta* 68  
*Pteridophytes* 66  
*Pterigeron latirodes* 373  
*Pteris* 352  
*Pterocarpus marsupium* 419  
*Pterospermum* 232  
*Ptilotus aervoides* 368; *asterolasius* 370; *calostachyus* 367; *carlsonii* 373; *corymbosus* 368; *divaricatus* 368; *drummondii* 367; *exaltatus* 368; *helipterooides* 368; *macrocephalus* 368; *manglesii* 368; *obovatus* 368; *polystachyus* 367; *rotundifolius* 370; *spathulatus* 370; *stirlingii* 370  
*Ptychosema trifoliatum* 376  
*Puccinia arachidis* 191  
*Pueraria lobata* 427, 429, 440, 449  
*Pultenaea conferta* 376; *dasyphylla* 376; *elachista* 376; *neurocalyx* 376; *obcordata* 376; *rotundifolia* 376; *verruculosa* var *brachyphylla* 376; aff. *obcordata* 376  
*Punica granatum* 419  
*Punicaceae* 419  
*Pyracantha crenulata* 414  
*Pyralidae* 228  
*Pyrus* 87; *fusca* 87, 91, 92, 102; *pashia* 414, 420; *syriaca* 308  
*Quercus* 236; *aegilops* 308; *chinantlensis* 239; *coccifera* 308, 310; *garryana* 66, 84, 102; *incana* 414; *marilandica* 397; *nigra* 388; *seme-carpiifolia* 414; *sororia* 236; *stellata* 388, 389, 397; *virginiana* 387, 389, 397  
*Ranunculaceae* 369, 378, 417, 418, 421  
*Ranunculus colonorum* 369; *muricatus* 378  
*Rapanea juergenseni* 240  
*Raphanus raphanistrum* 28, 367  
*Rapistrum rugosum* 367  
*Rauvolfia serpentina* 447  
*Regelia inops* 377; *velutina* 377  
*Reinwardtia indica* 421; *trigyna* 421  
*Restionaceae* 367, 378  
*Rhagodia baccata* 370; *crassifolia* 370; *gaudichaudiana* 368  
*Rhamnaceae* 88, 349, 351, 378, 444  
*Rhamnus* 93; *purshiana* 86, 92, 93, 97, 102, 423  
*Rheum* 416; *modi* 417  
*Rhizophora mangle* 411; *samoensis* 411  
*Rhodochiton volubile* 236  
*Rhododendron* 352, 354; *arboreum* 414, 419; *anthopogon* 415; *campanulatum* 415; *culminicolum* 352–354; *maiis* 353; cf. *herzogii* 352  
*Rhodymenia* 317; *palmata* 317  
*Rhus taitensis* 436, 449  
*Rhynchospora corymbosa* 427  
*Ribes bracteosum* 84, 102; *divaricatum* 84, 102; *hudsonianum* 84, 102; *lacustre* 84, 102; *lobbianum* 84, 94, 102; *sanguineum* 84, 102  
*Ricinocarpus stylosus* 374; *velutinus* 374  
*Ricinus communis* 153, 252, 374, 439, 449  
*Rivina humilis* 431  
*Rochelia stylaris* 36  
*Rogeria longiflora* 37  
*Romulea rosea* 375  
*Rorippa nasturtium-aquaticum* 82, 102  
*Rosa* 415; *bracteata* 389, 397; *gymnocarpa* 87, 102; *nutkana* 87, 102  
*Rosaceae* 12, 86, 91, 92, 372, 378, 418–421  
*Roylea cinerea* 422; *elegans* 422  
*Rubia cordifolia* 414  
*Rubiaceae* 88, 221, 349, 367, 369, 428, 432, 444  
*Rubus* 350, 352; *ellipticus* 414; *fruticosus* 378; *hawaiensis* 252; *lasiocarpus* 414; *leucodermis* 87, 91, 102; *macraei* 252; *parviflorus* 87, 93, 102; *spectabilis* 88, 91, 93, 94, 95, 96, 102; *ursinus* 88, 91, 102  
*Rulindia corylifolia* 379; *crauropylla* 379; *cuneata* 379  
*Rumex acetosella* 85, 102, 377; *conglomeratus* 377; *crispus* 377; *giganteus* 252; *hastatus* 419; *obtusifolius* 85, 102; *vesicarius* 377  
*Rutaceae* 240, 367, 369, 372, 378, 418, 420, 422, 427, 444  
*Saccharum* 153; *officinarum* 144, 242, 252, 433  
*Sadleria* 252; *hillebrandii* 252  
*Sagittaria* 73; *latifolia* 73, 95, 96, 102  
*Salicaceae* 88  
*Salicornia blackiana* 373; *virginica* 80, 102  
*Salix laetiandra* 88, 102  
*Salsola kali* 368  
*Salvia coccinea* 428, 432  
*Salvinia auriculata* 378  
*Salviniaeae* 378  
*Sambucaceae* 241  
*Sambucus cerulea* 80, 94, 102; *mexicana* 241; *racemosa* 80, 93, 94, 102  
*Sandoricum indium* 149  
*Santalaceae* 367, 378  
*Santaloides samoense* 427  
*Santalum* 252; *acuminatum* 378; *lanceolatum* 378; *spicatum* 367  
*Sapindaceae* 348, 351, 372, 378, 445  
*Sapotaceae* 241, 427  
*Sarcostemma australe* 367  
*Sargassum* 252; *cymosum* 252; *echinocarpum* 252; *polyphyllum* 252  
*Sassafras albidum* 423  
*Satureja douglasii* 84, 102; *hortensis* 22, 30, 37  
*Saurauia concottii* 236; *subalpina* 239  
*Saussurea candicans* 26; *taraxicifolia* 415  
*Saxifraga* 415  
*Saxifragaceae* 379, 421  
*Scabiosa maritima* 24; *stellata* 24  
*Scaevola* 252; *arenaria* 374; *auriculata* 374; *canescens* 374; *collaris* 374; *crassifolia* 374; *glandulifera* 374; *longifolia* 374; *nitida* 371; *oxyclona* 371; *phlebopetala* 374; *platyphylla* 371; *restiacea* 371; *sericeophylla* 374; *spinescens* 371; *striata* 374; *tacada* 439; var *taccada* 449; *thesioides* 374  
*Scarabaeidae* 231  
*Scheelea macrolepis* 301  
*Schizachyrium scoparium* 396  
*Schizophyllum* 238; *commune* 238  
*Schoenia cassiniiana* 370  
*Schoenus curvifolius* 374; *grandifloris* 374  
*Schkuhria wrightii* 37  
*Scholtzia involucrata* 377; *leptantha* 377  
*Scirpus americanus* 73, 102; *antarcticus* 374; *nodosus* 371; *rubricosus* 236; *validus* 252

*Scleria margaritifera* 427  
*Scrophulariaceae* 369, 372, 379, 417  
*Sechium americanum* 240; *edule* 240  
*Sedum spathulifolium* 81, 93, 102  
*Selaginella pallescens* 238  
*Selaginellaceae* 238  
*Selenothamnus* 372; *helmsii* 376; *squamatus* 376  
*Selinum tenuifolium* 417; *wallichianum* 416, 417  
*Semecarpus* 348  
*Senecio* 414; *glomeratus* 373; *hispidulus* 373; *lautus* 370; *magnificus* 368; *nudicaulis* 421; *ramosissimum* 370  
*Sesbania cannabinus* var *cannabinus* 371; *exaltata* 42; *grandiflora* 252  
*Setaria* 139, 140, 157; *dielsii* 371; *italica* 143; *surgens* 371  
*Shepherdia* 75; *canadensis* 82, 94, 102  
*Shorea leprosula* 224; *robusta* 414  
*Sida acuta* 61; *calyxhymenia* 376; *fallax* 253; *hookeriana* 376; *intricata* 376; *rhombifolia* var *incana* 372; *samoensis* 428, 431  
*Sideritis incana* 37; *montana* 37  
*Siegesbeckia glabrescens* 37  
*Silene gallica* 370; *nocturna* 373  
*Silybum marianum* 368  
*Simaroubaceae* 428  
*Sisymbrium orientale* 367  
*Skimmia laureola* 416, 418  
*Smilacaceae* 242  
*Smilacina racemosa* 76, 102  
*Smilax* 414; *bona-nox* 389; *cordifolia* 242; *mol-lis* 242  
*Soja* 191, 192  
*Solanaceae* 241, 367, 370, 372, 379, 420, 428, 430, 433, 445  
*Solandra nitida* 241  
*Solanum* 30, 347, 370, 379; *atropurpureum* 39; *auriculatum* 347; *aviculare* 39, 347; *centrale* 370; *diversiflorum* 370; *esuriale* 368; *hoplo-petalum* 370; *jubatum* 39; *khasianum* 22, 30, 39; *lasiophyllum* 368; *mammosum* 39; *marginatum* 39; *nigrum* 241, 253, 368, 420, 426, 433; *nummularium* 368; *oldfieldii* 368; *orbiculatum* 370; *petrophilum* 370; *quinquangulare* 39; *sodomaeum* 368; *sturtianum* 368; *symonii* 368; *torvum* 147; *uporo* 425, 433, 445, 449; *vitiense* 428  
*Solliya fusiformis* 377; *heterophylla* 372  
*Sophora* 411; *chrysophylla* 253  
*Sorghum* 128; *bicolor* 128-135, 394; var *aethiopicum* 128, 129, 130, 132; var *arundinaceum* 128, 129, 130, 132; var *bicolor* 128, 129, 130, 131; var *verticilliflorum* 128, 129, 130, 132; var *virgatum* 128, 129, 130, 132; *caudatum* 130  
*Sowerbaea laxiflora* 369  
*Sparaxis bulbifera* 375  
*Spartochloa scirpoidea* 371  
*Spartothamnella teucriiflora* 368  
*Sphaerolobium macranthum* 376; *medium* 369; *scabriuscum* 376  
*Sphagnum* 80, 83  
*Sphenomeris chusana* 253  
*Sphenotoma capitatum* 374; *dracophylloides* 374; *gracile* 374  
*Sphyngidae* 229  
*Spinifex hirsutus* 371; *longifolius* 367  
*Spiraea douglasii* 88, 102  
*Spirogyra* 253  
*Spondias dulcis* 424, 436, 449; *lutea* 240; *mombin* 240  
*Sporobolus capensis* 371; *virginicus* 253  
*Spyridium globulosum* 378  
*Stachys cooleya* 84, 102  
*Stachystemon polyandrus* 374  
*Stachytarpheta incana* var *angustibracteata* 241  
*Stackhousia brunonis* 372; *huegelii* 379; *pubescens* 370; *scoparia* 379; *viminea* 372  
*Stackhousiaceae* 370, 372, 379  
*Staurastrum* 319; *cristatum* 318  
*Stemodia grossa* 379  
*Stemona cochinchinensis* 312  
*Stemphylium* 1, 2  
*Stenachaenium macrocephalum* 37  
*Stenoloma chusanum* 352  
*Stenopetalum filifolium* 368  
*Stephania glabra* 420  
*Sterculiaceae* 240, 379, 427  
*Stevia elatior* 241  
*Sticta pulmonaria* 68, 102  
*Stictocardia campanulata* 253; *tilifolia* 411, 426  
*Stigecionium falklandicum* 253  
*Stipa* 375; *compressa* 371; *elegantissima* 371; *nitida* 371; *scabra* 371; *semibarbata* 371; *variabilis* 371  
*Stiposorghum* 128  
*Stirlingia latifolia* 378; *tenuifolia* 378  
*Styliidae* 372, 379  
*Stylium* *affine* 379; *amoenum* 372; *breviscapum* 379; *brunonianum* 379; *bulbiferum* 379; *calcaratum* 379; *caricifolium* 379; *carnosum* 379; *ciliatum* 379; *dichotomum* 379; *falcatum* 372; *galoides* 379; *hispidum* 379; *juncinum* 379; *scandens* 379; *schoenoides* 379; *spathulatum* 379; *striatum* 379  
*Stylobasium australe* 378; *spathulatum* 372  
*Stylosanthinae* 192  
*Styphandra imbricata* 372  
*Styphelia suaveolens* 352, 354; *tameiameia* 253  
*Styrax officinalis* 308  
*Suaeda australis* 373  
*Suriana maritima* 428  
*Swainsona campestris* 369; *canescens* 369; *cyclo-carpa* 371; var *paradoxa* 371; *flavicarinata* 371; *incei* 369; *microphylla* subsp *affinis* 369; *occidentalis* 371; *oroboides* 369; *rostellata* 367; *stipularis* var *longialata* 369  
*Swertia* 416; *angustifolia* 417; *chirata* 415, 417; *paniculata* 414; *petiolata* 415; *purpurascens* 414, 417  
*Syagrus* 285  
*Symplochias macroplecta* 369  
*Syphoricarpos albus* 80, 93, 102  
*Sympyrum officinale* 37  
*Synaphea petiolaris* 378; *polymorpha* 378; *reticulata* 378  
*Syzygium* 433; *corynocarpum* 442, 448, 449; *dealatum* 433; *jambos* 433; *malaccense* 433, 442, 448, 449  
*Tabebuia pyramidalis* 241  
*Tagetes* 420; *erecta* 241; *lucida* 37  
*Tamaricaceae* 379

*Tamarix articulata* 379  
*Tanacetum longifolium* 415  
*Taraxacum officinale* 81, 415  
*Tarema sambucina* 444, 448, 449  
*Taxaceae* 72, 418  
*Taxus baccata* 414, 418; *brevifolia* 66, 72, 92, 93, 94, 103  
*Tecomaria stans* 368  
*Tecomanthe* 347, 350, 353  
*Templetonia retusa* 367; *sulcata* 367  
*Tephrosia flammea* 367; *purpurea* 427  
*Tephrosiinae* 192  
*Terminalia* 348, 437; *catappa* 433, 437, 449; *corticosa* 313; *litoralis* var *tomentella* 433  
*Tersonia brevipes* 369  
*Tetragonia decumbens* 368; *eremaea* 368  
*Tetrastrhena laevis* 369  
*Tetrastrheca affinis* 379; *efoliata* 379; *hirsuta* 379; *viminea* 379  
*Teucrium filifolium* 371; *sessiliflorum* 375  
*Thalictrum flavum* 37; *foliolosum* 421; *javanicum* 421; *lucidum* 37; *neurocarpum* 417  
*Theaceae* 348  
*Thelymitra crinita* 372  
*Themeda australis* 375  
*Theobroma cacao* 240  
*Thespesia populnea* 441, 448, 449  
*Thevetia nerifolia* 370  
*Thlaspi perfoliatum* 38  
*Thomasia angustifolia* 379; *glutinosa* 379; *grandiflora* 379; *macrocarpa* 379  
*Threlkeldia diffusa* 373; *salsuginosa* 373  
*Thryptomene australis* 377; *kochii* 377; *tuberculata* 372; *urceolaris* 377  
*Thuarea involuta* 427, 428  
*Thuja plicata* 66, 71, 91, 93, 95, 96, 97, 103  
*Thysanotus* 372; *arenarius* 376; *multiflorus* 372; *pateroni* 372; *tenellus* 369; *triandus* 372  
*Thymelaeaceae* 379, 445  
*Tilia* 236  
*Tiliaceae* 240, 368, 417, 427, 430, 445  
*Tiliacora triandra* 312  
*Tillandsia gymnobotrya* 236  
*Tinospora cordifolia* 420  
*Trachymene elachocarpa* 372; *glaucifolia* 372; *ornata* 372; *pilos* 379  
*Tragus australiensis* 375  
*Trema amboinensis* 430, 446; *orientalis* 430, 446, 449  
*Tremandra stelligera* 379  
*Tremandraceae* 379  
*Tremellodon* 67, 68, 103  
*Trianthema turgidifolia* 368  
*Tribulus hystrix* 370; *terrestris* 368  
*Trichodesma zeylanicum* 373  
*Tricholoma* 238  
*Trichosanthes anguina* 145; *bracteata* 420; *cumerina* 38; *palmata* 420  
*Tricornymus elatior* 369  
*Trifolium* 85, 91, 103; *angustifolium* 371; *campestre* 371; *subterraneum* 371; *tridentatum* 85, 103  
*Triglochin proceria* 369  
*Trigonella arabica* 41; *caerulea* 41; *gladiata* 41  
*Trigonotis* 353  
*Triodia scariosa* 371  
*Triraphis mollis* 375  
*Trisetum pumilum* 371  
*Tritelleia hyacinthina* 76, 103  
*Triticum aestivum* 369, 381, 394; *dicoccum* 381; *monococcum* 381  
*Triumfetta bartramia* 427, 430, 445, 449; *chaetocarpa* 379; *procumbens* 427, 430  
*Tropaeolaceae* 370  
*Tropaeolum majus* 370  
*Trymalium myrtillus* 378; *spathulatum* 378  
*Tsuga heterophylla* 66, 72, 92, 97, 103  
*Turbinaria* 253  
*Typha* 89; *domingensis* 379; *latifolia* 77, 91, 93, 94, 95, 97, 103  
*Typhaceae* 77, 371  
*Ulmaceae* 430, 446  
*Ulmus alata* 389, 397  
*Ulva* 67, 253; *fasciata* 253; *lactuca* 67, 103, 253  
*Umbelliferae* 89, 91, 92, 240, 372, 379, 417, 419, 432, 446  
*Urena lobata* 61, 427, 430, 441, 449  
*Uromyces* 189  
*Uroskinnera hirtiflora* 236  
*Ursinia anthemoides* 373  
*Urtica* 421; *dioca* 90, 91, 93, 95, 96, 103, 416, 421; *parviflora* 416, 421  
*Urticaceae* 90, 379, 421, 446  
*Usnea* 68, 92, 103  
*Vaccinium* 91, 235; *bodenii* 354; *ovalifolium* 83, 103; *ovatum* 83, 103; *oxyccoccus* 83, 103; *paradisearum* 350–353; *parvifolium* 83, 103; *uliginosum* 83, 103  
*Valeriana* 414, 415; *jatamansi* 416, 421; *officinalis* 38; *Wallichii* 421  
*Valerianaceae* 421  
*Valonia utricularis* 253  
*Vasconcellosia hasta* 363  
*Vavaea amicornum* 427  
*Velleia arguta* 371; *connata* 371; *hispida* 369; *macrophylla* 374; *rosea* 369; *trinervis* 374  
*Veratrum* 76, 78, 93; *viride* 76, 93, 103  
*Verbascum virgatum* 369  
*Verbenaceae* 241, 368, 370, 372, 379, 418–421, 432, 446  
*Vernonia* 24; *adoensis* 24; *anthelmintica* 27; *hymenolepis* 24; *pauciflora* 24  
*Veronica calycina* 372; *spicata* 38  
*Verreauxia reinwardtii* 371  
*Verticordia acerosa* 377; *brownii* 377; *chrysanthia* 372; *densiflora* 377; *grandiflora* 377; *grandis* 377; *habrantha* 377; *huegelii* 377; *insignis* 377; *nitens* 377; *ovalifolia* 377; *oxy-lepis* 377; *pennigera* 377; *picta* 377; *plumosa* 377; *serrata* 377  
*Viburnum* 414; *edule* 80, 91, 103  
*Vicia gigantea* 85, 96, 103; *sativa* 367  
*Vigna lanceolata* 369; *lutea* 61; *marina* 253, 440, 449; *sinensis* 394; *unguiculata* 255, 359  
*Villarsia calthifolia* 371; *lasiosperma* 369; *parnassifolia* 374; *violifolia* 374  
*Viminaria juncea* 376  
*Viola* 414, 415; *canescens* 418; *serpens* 418  
*Violaceae* 368, 418, 427  
*Vitaceae* 240, 379, 420  
*Vertex* 313; *negundo* 421; *trifolia* var *simplicifolia* 253

*Vitis acapulcensis* 240  
*Vittadinia triloba* 373; cf. *scabra* 373  
*Voandzeia* 261; *subterranea* 255-262, 357  
*Vochysia hondurensis* 240  
*Vochysiaceae* 240  
*Wahlenbergia capensis* 368; *gracilis* 368  
*Waitzia acuminata* 370; *paniculata* 373; *suaveolens* 370  
*Waltheria americana* 253; *indica* 379  
*Watsonia leipoldtii* 375; *marginata* 375  
*Wedelia biflora* 438, 449  
*Wehlia thryptomenoides* 377  
*Weinmannia* 235, 352  
*Westringia dampieri* 371; *rigida* 371  
*Wikstroemia* 253; *rotundifolia* 445, 449  
*Wilsonia backhousei* 373; *humilis* 371  
*Winteraceae* 349, 353  
*Wollastonii* 350  
*Woodfordia floribunda* 419; *fruticosa* 419  
*Xanthiura strumarium* var. *canadense* 253  
*Xanthorrhoea gracilis* 369; *preissii* 376  
*Xanthosia atkinsoniana* 379; *huegelii* 372; *peduncularis* 379; *pusilla* 379; *rotundifolia* 372; *tomentosa* 379  
*Xanthosoma violaceum* 242, 253  
*Xeranthemum annuum* 22, 30, 38  
*Xerophyllum* 74, 76, 96; *tenax* 76, 92, 96, 103  
*Ximenia americana* 428  
*Xylocarpus granatum* 442, 449  
*Xylomelum angustifolium* 378  
*Xylosma orbiculatum* 427, 428  
*Xyridaceae* 379  
*Xyris lacera* 379; *lanata* 379  
*Yucca* 397  
*Zaluzania discoidea* 38  
*Zanthoxylum alatum* 422; *fagara* 397; *pterota* 397  
*Zea mays* 142, 242, 394  
*Zingiber cassumunar* 151, 154; *officinale* 150; *zerumbet* 253, 426, 447, 449  
*Zingiberaceae* 420, 426, 447  
*Zinnia* 169-181; *acerosa* 169, 170, 178, 179; *angustifolia* 171, 172, 174, 177, 178; *anomala* 170, 178, 179; *bicolor* 172, 173, 178; *citrea* 169, 170, 178, 179; *elegans* 169, 171, 173, 174, 175, 177, 178, 179; *grandiflora* 169, 170, 178, 179; *greggii* 172, 178; *haageana* 171, 172, 174, 177, 178, 179; *juniperifolia* 169, 170, 178, 179; *leucoglossa* 172, 173, 178, 179; *linearis* 172; *littoralis* 172, 178, 179; *maritima* 172, 178; *mexicana* 171; *multiflora* 171; *oligantha* 169, 170, 178, 179; *pauciflora* 171; *peruviana* 171, 174, 177, 178, 179; *pusilla* 172, 178; *tenella* 172, 173, 178  
*Zostera marina* 77, 103  
*Zygadenus* 76; *venenosus* 76, 103  
*Zygophyllaceae* 368, 370, 372, 379  
*Zygophyllum apiculatum* 379; *eremaeum* 372; *fruticosum* 379; *glaucescens* 372; *idiocarpum* 370

XUM